Medical College of Georgia

Catalog 1974-75

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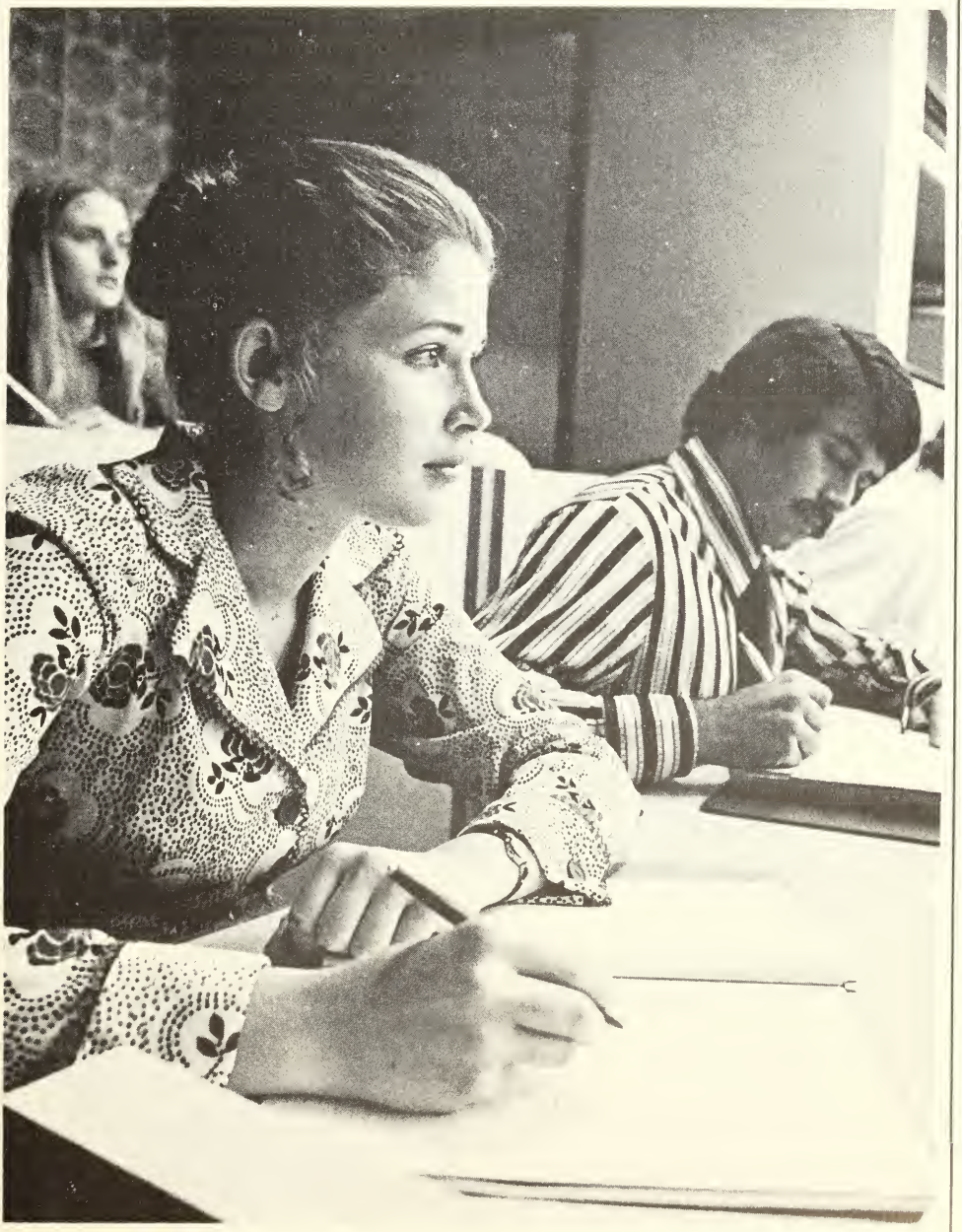
General Information



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1 Eugene Talmadge Memorial Hospital
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40 Milton Antony Complex
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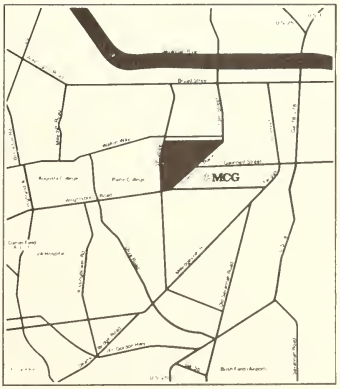
AREA MAP



This edition of the Medical College of Georgia *Catalog* is intended to provide for you and for others interested in health education, some essential information about Georgia's primary health sciences university. Designed primarily for new and prospective students and faculty, the descriptive material will assist you in learning more about us—our character, heritage, objectives; our academic programs, distinguished faculty, and our admissions and degree requirements and procedures to name just a few.

This *Catalog* also contains detailed descriptions of many of our courses of instruction and related information to assist you in choosing a program that best meets your needs.

As you review this material, I hope you will better understand the importance and seriousness of our purpose here at the Medical College of Georgia; namely, to provide sound, comprehensive academic and clinical programs that will help our students become competent, qualified health professionals.

I have a great deal of personal pride in our institution and in our faculty and students. We shall continue to strive for a high degree of excellence in our educational programs, our research, and ultimately in our ability to provide better health care for all mankind. I invite you to join with us in this endeavor.

William H. Moretz, M.D.
President
Medical College of Georgia

A History of the Medical College of Georgia

The Medical College of Georgia in Augusta is the eleventh oldest among existing medical schools in the United States. Founded in 1828, it is Georgia's primary institution of higher education for training health professionals.

The College has experienced rapid growth, particularly during the past quarter century. For example, in 23 years the campus physical plant has grown from just two buildings on little more than two acres of land to 47 buildings on approximately 78 acres of land today. Two new buildings are presently under construction.

In 1950 there was one school—the School of Medicine, the core upon which the Medical College of Georgia was founded. Today, there are four additional schools—Graduate Studies, founded in 1951; Nursing, moved to Augusta from Athens in 1956; Dentistry, founded in 1965; and Allied Health Sciences, founded in 1968.

Another indicator of the College's growth is its student enrollment. This fall, the College expects to receive the largest enrollment in its history. More than 3,500 faculty and staff personnel make the Medical College of Georgia Augusta's largest single employer.

The beginnings of this medical center were somewhat less impressive than the present modern campus. The College was started in two borrowed rooms at the rear of Augusta's old City Hospital 145 years ago, with its assets consisting of little more than the vision of its founders. It was in those early years that Drs. Milton Antony, Joseph Adams Eve, Lewis D. Ford, and later L.A. Dugas and Paul Eve, with the support of many Augusta citizens, began building the rich heritage that the Medical College now enjoys.

In 1833 members of the first graduating class received their doctor of medicine degrees. There were four students in that graduating class. In 1973 the College graduated 132 physicians, 55 dentists, 107 nurses, 23 biomedical scientists, and 76 professionals trained in fields of allied health science. Additionally, MCG now provides graduate education for more than 200 interns and residents each year.

Even in the early days of the Medical College, changes came quickly. In 1835 the College moved into its first permanent home at the corner of Telfair and Sixth streets in Augusta. This building, now called the Old Medical College and presently operated as a garden center, was vacated by the College in 1913, when the institution moved to its present mid-city campus consisting then of two buildings. Except for a brief interim during the Civil War, the Medical College has operated continuously since its founding.

From 1913 to 1950 the College experienced good times and bad. Faculty members as well as students were called to service in World Wars I and II. The College received varying accreditation ratings from the Council on Medical Education of the American Medical Association. There were fat years and there were lean years for State appropriations, and the depression did not spare the Medical College either. There were battles about the relocation of the College from Augusta to both Atlanta and Athens, and there were dynamic changes in curriculum. Also during this period, The *University System of Georgia* was established and

the College celebrated its 100th anniversary.

In 1950 the Board of Regents of the University System made the Medical College an independent unit of the University System, and for the sixth time in 125 years the institution received a new name —Medical College of Georgia.

A vital adjunct to the Medical College's programs is its 450-bed teaching hospital, Eugene Talmadge Memorial Hospital and its various clinics. The founders of the College certainly could not have foreseen the rise of a great teaching hospital, as part of the MCG medical complex known today. Talmadge Memorial Hospital is the major referral center for the State; patients come to Augusta from throughout Georgia, and a dozen other states, because of Talmadge's rising reputation for the care of complex and difficult diseases. Last year, for example, the Hospital provided care for some 330 patients a day, and the College's medical and dental clinics recorded more than 80,000 outpatient visits during the year.

Neither could the founders have anticipated the honors and recognition that would mark the College's first century and a half of service to the cause of health care, health education and research on behalf of the people of Georgia. There was world-wide acclaim when Dr. Virgil Sydenstricker uncovered evidence that led to the conquest of pellagra. Dr. W.L. Moss, another MCG physician, was responsible for developing knowledge that led to the now familiar grouping of blood into three basic types. Still another Medical College of Georgia researcher, Dr. W.L. Hamilton, developed instruments and techniques which were vital forerunners of present-day open heart surgery.

Other research scientists in recent years have made important contributions to the world's knowledge of cancer, cardiovascular disease, sickle cell anemia; and scored advances in freezing and preserving human organs, in surgical techniques, and in the use of new materials in place of bone in dentistry.

MCG's rapid growth and expansion program of the late 1950's and on through the 1960's to today is an indication that the College is sincere about fulfilling its mandate from the people of Georgia to provide the highest quality health care available.

The University System

The University System of Georgia was established in 1931 when control and operational authority over state-aided schools of higher learning were vested in the University System Board of Regents, a constitutional body appointed by the Governor and approved by the Senate. There are fifteen Regents, all serving terms of seven years. Members of the Board are appointed from each of the state's Congressional Districts and the remainder from the state-at-large. The Regents select their own officers and appoint a chancellor as chief administrator of the University System. The system consists of 30 institutions including the Medical College of Georgia.

Degrees Offered

The following degrees and certificates are granted by the College through its schools:

School of Medicine
The Doctor of Medicine degree.

School of Dentistry
The Doctor of Dental Medicine degree.

School of Graduate Studies
The Doctor of Philosophy degree.
The Master of Science degree.
The Master of Science in Medical Illustration degree.

School of Nursing
The Bachelor of Science in Nursing degree.
The Master of Science in Nursing degree.

School of Allied Health Sciences
Dental Hygiene—Bachelor of Science degree.
Medical Illustration—Bachelor of Science degree.
Medical Record Administration—Bachelor of Science degree.
Medical Technology—Bachelor of Science degree.
Occupational Therapy—Bachelor of Science degree.
Physician's Assistant—Bachelor of Science degree.
Physical Therapy—Bachelor of Science degree.
Radiologic Technology—Bachelor of Science degree and Associate of Science degree.

Joint Degrees

School of Graduate Studies—School of Medicine

Doctor of Philosphy—Doctor of Medicine degree

Master of Science—Doctor of Medicine degree.

School of Graduate Studies—School of Dentistry.

Master of Science in Oral Biology.

School of Graduate Studies—School of Allied Health Sciences

Medical Illustration—degree to be determined.

Facilities For Instruction

The College campus, situated in the approximate center of Augusta, is convenient to the downtown business district. The locations of the College's various facilities are shown on the campus map.

Research and Education Building

The Sanders Research and Education Building is a modern facility containing classrooms, basic science laboratories, faculty offices, the electron microscopes, television services, and similar activities related to the instructional program. The Research and Education Building is the largest instructional building in the University System of Georgia, with 303,424 square feet of floor space. The building is used primarily for research and instruction in the basic medical and dental sciences.

Eugene Talmadge Memorial Hospital

The hospital is an integral part of the Medical College, contributing teaching and clinical research facilities for both faculty and students. It contains approximately 450 beds with supporting x-ray, laboratory, physical medicine, surgery and dietary facilities.

The clinical, teaching and research facilities are utilized for the benefit of students in Medicine, Nursing, Medical Record Administration, Medical Technology, Medical Illustration, Physical Therapy, Occupational Therapy, Radiologic Technology, Physician Assistants and in the sciences basic to medicine and dentistry.

Outpatient Clinic Building

This modern three story facility, which is connected by a walkway with Talmadge Hospital, provides space for seven clinic areas, an outpatient pharmacy, and various administrative offices. Located immediately adjacent to the clinic building is an office facility containing fifty faculty offices.

The School of Dentistry Building

This facility is one of the most modern and effectively designed buildings for dental education in the United States. The building contains operatories, laboratories, clinics, classrooms, seminar rooms, and faculty offices geared toward the clinical education of dental students and research in clinical dentistry.

Library

The Library is housed in a modern two-story building, completed in 1965. Each floor has open stacks and reading areas. There are individual carrels, small-group study rooms, two large conference rooms, and an audio-visual viewing room equipped with a wide variety of audio-visual formats available for student use. Approximately 1,600 periodicals and other serials are received annually and the holdings consist of more than 90,000 books and bound journals. An

active inter-library loan service is maintained, using a teletype system. The most recent service is MEDLINE, a computerized medical literature analysis and retrieval system connected with the National Library of Medicine.

The Georgia War Veteran's Home

The GWVH is located adjacent to the main MCG campus and is administered under the auspices of the Medical College. The GWVH is a facility of the Veterans' Service Board of Georgia, a State agency. The Home contains 192 beds for nursing home care with some in-house medical services provided through the Medical College of Georgia.

Other Facilities

Other facilities for classroom, laboratory and/or clinical instruction are the Murphey Building, Dugas Building, and the Educational Building Annex to Talmadge Hospital.

Administrative and service offices can be found in the School of Nursing Building, Residence III (administrative offices), the Administration Building (offices for the President, Provost, Dean of Medicine, Business Affairs, Registrar, Undergraduate Admissions and Institutional Relations), the Student Center (Student Affairs offices, Student Government office, Book Store, cafeteria, snack bar, and recreational facilities), and Residences I, II, IV and V (student residences).

Additional clinics and offices are located in the Marks Building, the Perkins Building (Respiratory Diseases Clinic), the Endocrinology and Dermatology Building, the Protein Chemistry and Sickle Cell Center, and the Children and Youth Project.

Major Affiliated Institutions

The following hospitals are located in the Augusta area and have affiliation with the Medical College of Georgia:

University Hospital

This is the Richmond County/ Augusta hospital with a long tradition of medical education, and is an excellent facility currently being utilized for medical student education in required clerkships and elective courses. As an integral member of the College Affiliated Hospitals Programs, the University Hospital is utilized for house staff training in internal medicine, pediatrics, surgery and obstetrics and gynecology. A nucleus of full time faculty at University Hospital working closely with the private physicians of the community and with the staff of the Eugene Talmadge Memorial Hospital provides the supervision and teaching of medical students and house staff at University Hospital.

Veterans Administration Hospital

There are two VA hospitals located in Augusta. As integral members of the College Affiliated Hospitals Programs, these VA hospitals serve as excellent facilities for the medical education of students and house staffs. A number of full-time MCG faculty situated at the VA Hospitals supervise patient care and the education of medical students in required clerkships and elective programs.

Gracewood State School and Hospital

The facilities and patients of this state institution are available for clerkships and clinical demonstrations of neurologic, biochemical, and genetic disorders. It is located on the outskirts of Augusta.

Other area hospitals include the new Eisenhower Hospital at Fort Gordon; St. Joseph's Hospital; The Georgia Regional Hospital, and the new Doctor's Hospital.

Admission Requirements

Admission requirements and application procedures, including information pertaining to application forms, physical examinations, personal interviews, and pre-entrance testing, are listed within each school's section of this Catalog.

The College is an equal educational opportunity institution in that no person shall, on the ground of race, color, creed, or national origin, be excluded from participation in, or be otherwise subjected to discrimination in any educational program, activity, or facility.

Transfer Credit

A maximum of 95 academic quarter hours from a junior college, or 145 hours from a senior college or other educational institution may be transferred into an undergraduate program. See the "Scholarship and Promotion" statement under Graduation Requirements.

Courses and credits transferable to an undergraduate curriculum from other colleges or universities must have an over-all grade average acceptable to the College, but in no case less than a "C". College credit will not be allowed for remedial courses or other such courses that are basically of secondary school level.

At the discretion of the appropriate Academic Dean, a student transferring into professional curricula from non-collegiate institutions may be required to have professional course work validated by standardized examinations in order to gain advanced standing and receive college credit for such course work. An application will not be considered from a student who is not in good standing at the institution he has attended previously.

An applicant who wishes to transfer to the College must submit official transcripts of all course work attempted at every institution of higher education at which he has ever enrolled. Such transcripts must be sent by the Registrar at each previously attended institution, and in accordance with instructions sent the applicant with application materials. Transcripts sent by the applicant, or transcripts without an official seal and Registrar's signature, will not be accepted.

Correspondence courses are discouraged. The total number of hours that may be earned toward a degree by either extension or correspondence courses, or both, shall not exceed one-fourth of the total credit hours required for a degree. Credit from correspondence courses and/or extension courses are subject to validation to the satisfaction of the Dean of the School concerned.

Any credit which is more than ten years old is subject to validation to the satisfaction of the Dean of the School concerned.

Credits from unaccredited institutions are subject to validation to the satisfaction of the Dean of the School concerned.

Academic Regulations

Units of Credit

The unit of credit is the quarter hour. A quarter hour equals one hour of class work per week for one quarter, or its equivalent in other forms of instruction. Credit given for particular courses is as stated

in the curriculum sections of this Catalog, or as defined at the time of registration by the various Schools.

Course Numbering System

The College offers courses numbered 100 to 299 to students in the Lower Division of undergraduate schools, and courses numbered 300 to 499 to students in the Upper Division of undergraduate schools. In the School of Graduate Studies, courses are numbered from 600 to 999. Certain courses are offered to undergraduate, graduate, and professional students jointly. Such courses are numbered appropriately for each class and degree program.

Courses in the Schools of Medicine and Dentistry, and some School of Nursing courses, are numbered from 500 to 599.

Classification of Students

The classification under which a student registers at the beginning of each academic quarter will continue throughout the academic quarter.

Grades

The grading system for the Medical College is as follows:

A = 4.0
B = 3.0
C = 2.0
D = 1.0
F = 0

Additional information regarding grades may be found in each School's section of this Catalog.

Grade Changes

Any grade changes due to errors in reporting must be brought to the attention of the Registrar's office within three months of the time reported.

Incomplete grades which have not been made up will be changed to failing grades after one quarter. Requests for exception to this rule must be submitted in writing to the Registrar's office, with signed approval of the instructor and Dean.

Repeated Coursework

By registering for a course for which credit has already been received by transfer or residence work, a student forfeits credit in the previous course. The final grade will be the grade on the repeated course.

Registration

Registration must be completed on the dates stated in the academic calendar. Registration procedures are the responsibility of the Registrar. Notification of these procedures will be sent to all students at the appropriate time.

Changes in Course Schedules

Changes in a student's schedule of courses following registration can only be made with the approval of the Dean of the School in which the student is enrolled, and the Registrar.

Adding Courses

Additions to a student's course schedule will not be allowed after the deadline for adding courses set forth in the academic calendar.

Dropping Courses

A course may be dropped without penalty up to the dates set forth in the academic calendar (usually

mid-term). Following this deadline, a student dropping a course will receive either a WP (Withdrew Passing) or a WF (Withdrew Failing). WF grades will be treated as F grades for grade point calculations.

Auditors

Regularly enrolled Medical College students may register for courses as auditors. No academic credit shall be awarded to students enrolled on this basis. After the last day for registration, no changes from an audit basis to credit or from credit to audit will be permitted. Students auditing courses will be required to pay the regular fees for enrollment. (See the "Fees" section of this Catalog.)

Attendance

Regular and punctual attendance is expected of students in all classes, and is counted from the first class meeting each term. Students who incur an excessive number of absences are subject to academic penalty.

Normal Course Load

The normal course load may vary with the several degree programs. Students may be required to register for a course load less than the normal course load if this action is determined to be advisable in the light of the student's academic standing or for other reasons. A student who in any quarter registers for less than 12 quarter hours is considered a part-time student; a student who registers for 12 or more hours is considered a full-time student. No student of the School of Graduate Studies, or the undergraduate curricula, may register without special approval from his Dean for more than 21 quarter hours (including audit courses) in any given academic quarter.

Planning the Academic Program

The academic program of each student should be planned in consultation with their academic advisor, major professor, or other person as designated by the Dean of the School concerned.

Withdrawal from the College

A student who wishes to withdraw must report to the Registrar to obtain and complete withdrawal procedures outlined in the Withdrawal Form. The official records of a student who does not officially withdraw from the institution will not be released until the appropriate withdrawal procedures have been completed.

Non-Continuous Matriculation

Normally a student may be permitted to graduate under academic provisions of the catalog in effect at the time of his first matriculation. A student may choose to graduate under the provisions of a subsequent catalog. A student who returns to one of the undergraduate programs, or to the School of Graduate Studies, after an absence of two or more years will be required to meet the degree provisions of the catalog current on his return, along with such other regulations as may be in effect at the time.

Examinations

A student may be required to perform acceptably on any examination before graduation as deemed appropriate by the academic deans, President, and/or Board of Regents.

Curriculum Changes

The new knowledge continually emerging in the health sciences, changing concepts in the delivery of health care and consideration of certification and licensure requirements may necessitate certain changes in the curriculum of a given school. However, when such changes are anticipated or made after careful review and evaluation, full consideration will have been given to the impact these changes might have on the student's overall academic program during his or her period of matriculation. Consideration will also be given to the impact of any changes on the faculty and the institution as a whole.

General guidelines that will be followed in any curriculum changes include:

a) Any changes shall not require a student to spend more time (as measured by academic quarters or curriculum phases) in the total curricular program than he or she would have spent under the curriculum in effect at the time of first matriculation.

b) Any changes shall not require a student to carry an academic overload any quarter or curricular phase in order to graduate in the same time period as in effect at the first matriculation.

These guidelines shall not affect the right of the faculty or administration of a school to require an individual student to spend more time, repeat courses, or take remediation in order to improve academic and clinical deficiencies as necessary to meet minimum standards for graduation.

Requirements for Graduation

Requirements for Graduate and Professional Degrees

Requirements for graduate and professional degrees are stated in this Catalog under the listings for the School of Medicine, School of Dentistry, School of Graduate Studies, and the School of Nursing.

Requirements for Associate and Baccalaureate Degrees

Requirements in addition to those listed below for associate and baccalaureate degrees are stated in this Catalog under the listings for the School of Allied Health Sciences and the School of Nursing.

1. Recommendation by Faculty

It is implicit in the requirements for all degrees conferred by the College that the faculty of each school recommend each candidate for a degree as having met all requirements for the degree to be conferred.

2. Residence Requirements

Every candidate for a baccalaureate or associate degree at the Medical College of Georgia must take a minimum of 45 quarter hours in residence.

3. Total Credit Requirements

A minimum of 180 quarter hours (excluding physical education) is required for a baccalaureate degree, and a minimum of 90 quarter hours (excluding physical education) is required for an associate degree.

4. Rising Junior Test Requirement

The University System of Georgia requires that each student receiving a degree from a state-supported college must have successfully completed all three parts at one administration of a competency examination in reading, writing, and English composition. This examination is a requirement during the academic quarter following the completion of 60 quarter credit hours. The Rising Junior Test of the University System of Georgia is administered at the Medical College once during each quarter. Students will be notified of the dates on which the Rising Junior Test will be administered.

It is the responsibility of each institution of the University System to provide a program of remedial instruction for the student who does not successfully complete the Rising Junior Test. It is the responsibility of each student who does not successfully complete the examination fo complete the remedial program prescribed by the college in order to be permitted to retake the examination at a later date.

A student transferring 60 quarter hours from another institution of the University System of Georgia who has not successfully completed the Rising Junior Test will be required to take the examination during his first quarter of attendance at the Medical College of Georgia.

5. Examinations on the History and Constitutions of the United States and Georgia

Examinations on these subjects are required of all baccalaureate and associate degree students unless exempted by presentation of course credit dealing with these constitutions and histories. A student is advised to meet this requirement early in his academic career.

6. Scholarship

An undergraduate degree shall not be conferred on any person whose overall weighted grade point average (for courses in residence) is less than 2.0 Credit hours in courses with the grade of "D" shall not exceed 20 per cent of the total hours for any degree program. Individual curricula may establish higher standards for achievement, in which case, the higher standards shall apply.

7. Consultation with Dean or Chairman

The candidate for an undergraduate degree must consult with the office of the Registrar and the Dean or Chairman of his program concerning completion of requirements for graduation. This consultation should be done three quarters before the expected date of graduation.

Application for Graduation

Application for graduation must be made by each candidate on a form obtainable from the office of the Registrar. The application form should be completed at least two quarters prior to time of graduation. The candidate for a degree from the College must attend the Commencement exercise at which the degree is to be conferred, unless he is officially excused in writing by the Registrar.

Food Services

The College provides a cafeteria and coffee shop in the Student Center and in Talmadge Hospital.

Housing

The Medical College has limited residence hall and apartment accommodations on the campus for single women, single graduate and professional students, and married students. All accommodations are air conditioned. Rent includes all utilities.

Residences I & II (Single Women)

Single Room $150.00 per quarter
Double Room $110.00 per quarter

Residence IV (Single Graduate and Professional Students)

Double Room
$130.00 per quarter

Residence V (Furnished Married Student Apartments)

One Bedroom $100.00 per month
Two Bedroom $115.00 per month

Deposits and Refunds

A Security Deposit is required of all students given a housing assignment. This deposit is retained by the College to cover the cost of any damage to rented facilities. The deposit will be refunded less any deductions if the student notifies the housing office of his or her intent to terminate housing 30 days prior to moving. Failure to give at least 30 days notice will cause forfeiture of the Security Deposit. The refund of the Security Deposit and rental fees will be made 3 weeks after terminating housing.

Application Procedures and Information

Students accepted for admission to the College and interested in applying for housing should write the Housing Office, Room 100, Residence II, Medical College of Georgia, Augusta, Georgia 30902.

Off-Campus Housing

Accepted students interested in housing off-campus should write the Housing Office (see address under "Application Procedures and Information") for information about housing in the Augusta community.

Fees

Fees stated below are subject to change without notice. Costs of housing, materials, books, deposits, food, uniforms, instruments, and personal expenses are estimated in each School's section of the Catalog.

Full-Time Graduate and Undergraduate Students

The following general fees are payable at the time of registration for all graduate and undergraduate full-time (12 credit hours or more) regularly enrolled students:

	per quarter
Matriculation Fee	$145.00
Non-resident Fee (in addition to Matriculation Fee)	240.00
Student Health Fee	10.00
Student Activities Fee	10.00

Part-Time Graduate and Undergraduate Students

The following general fees are payable at the time of registration for all graduate and undergraduate part-time (less than 12 credit hours) regularly enrolled students:

	per quarter hour
Matriculation Fee	$12.00
Non-resident Fee (in addition to Matriculation Fee)	20.00
Student Health Fee (only if enrolling for 6 hours or more)	10.00
Student Activities Fee (only if enrolling for 6 hours or more)	10.00

Full-Time Medical and Dental Students

The following general fees are payable at the time of registration for all full-time regularly enrolled Medical and Dental students:

	per quarter
Matriculation Fee	$300.00
Non-resident Fee (in addition to Matriculation Fee)	300.00
Student Health Fee	10.00
Student Activities Fee	10.00

Part-Time Medical and Dental Students

Medical and Dental students enrolled for a part-time course load shall pay fees at the time of registration each quarter in accordance with a fee schedule available in the Registrar's Office and Comptroller's Office.

Audit Fees

Fees for auditing a course are the same as the fees for regular enrollment. (See the Academic Regulations section for policy regulating course audits.)

Acceptance Deposits

All Schools of the Medical College of Georgia require a $50.00 acceptance deposit which will be credited toward first quarter matriculation fees. Applicants accepted for admission will receive full information on this deposit at the time they are notified of their acceptance for admission to a School at the Medical College of Georgia.

Refund of Fees

Students who withdraw from college will receive a refund of matriculation fees at the end of the quarter in which the withdrawal is made. Students who officially withdraw with a clean record within the time specified after the scheduled registration date may receive refunds of matriculation fees as listed:

Time of Withdrawal	Percent Refunded
Not more than one week	80
Not more than two weeks	60
Not more than three weeks	40
Not more than four weeks	20
More than four weeks	0

Student Health and Student Activity fees will not be refunded when withdrawing. The refund of matriculation fees is limited to withdrawal from the Institution and not for dropping of individual courses.

Changes in Fees and Other Charges

All matriculation charges, board, room rent or other charges listed in this catalog are subject to change at the end of any quarter.

Discipline and Appeals

Student discipline at the College is the responsibility of the President and his administrative staff. Students will be expected to act in a manner of credit to themselves and to the institution as outlined in the Student Handbook section on "Student Judiciary Procedures."

Appeals Procedure

When an applicant for admission shall feel that his application has not been given due consideration or when a student shall be expelled or suspended, the applicant or student shall have the right to appeal in accordance with the following procedure:

He shall appeal in writing to the President of the institution within five days after the action of which he complains. The President shall appoint a committee to review all facts and circumstances and shall within fifteen days make a decision which shall be final so far as the institution is concerned.

Should the aggrieved person be dissatisfied with this decision, he shall have the right to appeal in writing to the Board of Regents. An appeal to the Board of Regents shall be submitted in writing to the Executive Secretary of the Board within ten days after the President's decision and shall recite all reasons for dissatisfaction with the previous decision. After thorough investigation, the Board shall make its decision within sixty days. The Board's decision shall be final and binding for all purposes.

Financial Assistance for Students

Because the cost of acquiring an education in the health sciences may prevent many students from beginning or completing their studies, the College has developed a program to assist students in financing their education. The College believes that educational opportunities for qualified students should not be controlled by their financial resources, although realistic financial planning is an essential part of college preparation. In selecting students to receive financial assistance the College places primary emphasis on financial need. Academic achievement and promise, and character are also considered.

The College participates in the College Scholarship Service of the College Entrance Examination Board. The College Scholarship Service assists colleges and universities and other agencies in determining the student's need for financial assistance. Unmarried undergraduate students who are currently receiving support from their parents and who are seeking assistance from the College are required to have their parents submit a copy of the Parents' Confidential Statement form to the College Scholarship Service. All other stu-

dents should instead file the Student Financial Statement with the appropriate office of the College Scholarship Service.

Students desiring more information about financial aid resources should write for the Student Financial Aids Bulletin. This bulletin and an application form on which you may apply for any program that the College administers may be secured by writing the College Financial Aid Office. Information concerning graduate fellowships and assistantships is available from the School of Graduate Studies. Applications for assistance may be submitted to the College prior to official acceptance for enrollment and should be on file by May 1. Later applications will be considered only on a "remaining funds available" basis.

Through funds donated by various individuals and groups the College is able to operate its student loan program. Among the funds that have been established are the following:

Student Loan Fund, established in 1962 by Dr. James Russell Howell.

Eugene E. Murphey Fund, donated by Mr. Byron B. Taggert in honor of Dr. Murphey.

DeLeon Laboratories Fund, donated in 1955 by Mr. Harold Palmer, president of the pharmaceutical firm.

W. K. Kellogg Foundation, the 1942 and 1943 grants which have evolved into a permanent fund.

Carlin Alexander Fund, sponsored by the Phi Rho Sigma Wives Club in memory of a former member.

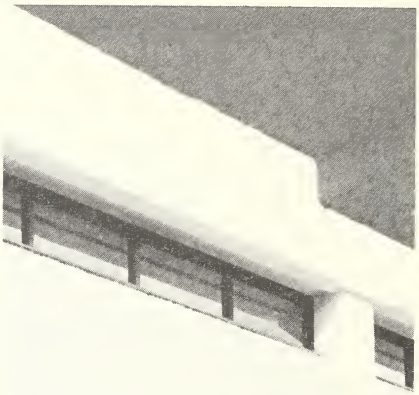
Medical Dames Student Loan Fund, established in 1964 for the benefit of married students.

Virginia N. Dawkins Loan Fund, established in 1970 for the benefit of medical students.

Georgia Pediatrics Society Loan Fund, established in 1959 and funded annually to benefit the loan program.

Robert C. White Memorial Fund, established in 1968 in memory of this student.

Medical College of Georgia Foundation, Inc., provides funds annually for the student aid program.



Student Health Service

Full information on Student Health service is published in a **Student Handbook** which all students receive upon entrance into the College. The cost of this service is $10 per quarter to all students enrolled for six or more credit hours.

Hospitalization and Life Insurance Protection.

All students of the College may participate in a group hospitalization and life insurance plan. A schedule of benefits and costs is given to each student at the beginning of each year. Current costs are as follows:

Schedule of Benefits and Cost.

Life and Accidental Death and Dismemberment Insurance for you:
Life Insurance $3,000
Accidental Death and Dismemberment Insurance $3,000

(Your monthly contribution is 57 cents or $2.28 per quarter)

Student Health Benefit Program
Details of coverage are available in the **Student Handbook** and in the Student Plan Health Benefit book.

Cost of Coverage:

	Quarterly	Monthly	Annually
Student only	$28.68	$ 7.17	$ 86.04
Student and dependents	$71.68	$17.92	$215.04

*(One third to be paid at the beginning of the Fall quarter, Winter quarter and the Spring quarter.)

These cost figures are subject to change.

Student Responsibilities and Services

The services available to students, as well as the students' responsibilities are outlined in the **Student Handbook** which is published by the Division of Student Affairs. All students are responsible for knowing its content. Copies are available from the Division of Student Affairs.

Rules Governing the Classification of Students as Residents and Non-residents (Revised July 1, 1974).

1. (a) If a person is 18 years of age or older, he or she may register as a resident student only upon a showing that he or she has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.
   (b) No emancipated minor or person 18 years of age or older shall be deemed to have gained or acquired in-state residence status for fee purposes while attending any educational institution in this State, in the absence of a clear demonstration that he or she has in fact established legal residence in this State.

2. If a person is under 18 years of age, he or she may register as a resident student only upon a showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.

3. A full-time faculty member of the University System and his or her spouse and dependent children may register on the payment of resident fees even though he or she has not been a legal resident of Georgia for the preceding twelve months.

4. Non-resident graduate students who hold teaching or research assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.

5. Full-time teachers in the public schools of Georgia and their dependent children may enroll as students in the University System institutions on the payment of resident fees, when such teachers have been legal residents of Georgia for the immediately preceding nine months, were engaged in teaching during such nine month period, and have been employed to teach full time in the public schools of Georgia during the ensuing school year.

6. All aliens shall be classified as non-resident students; provided, however, that an alien who is living in this country under a visa permitting permanent residence shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.

7. Foreign students who attend institutions of the University System under financial sponsorship of civic or religious groups located in this State, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board Regents for that institution.

8. If the parents or legal guardian of a minor change his or her legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve month period the student may continue his registration only upon the payment of fees at the non-resident rate.

9. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fees.

Illegal use, possession, or distribution of narcotics and/or other dangerous drugs.

The following statement of policy is designed to emphasize, in fairness to all members of the College community, the serious and dangerous consequences resulting from the illegal use, possession or distribution of marijuana, lysergic acid diethylamide (LSD), or other mind-altering drugs, and the unauthorized use of drugs, such as amphetamines, barbiturates, and tranquilizers, which are sometimes prescribed for medical purposes.

While there is admittedly much controversy as to whether or not marijuana should be classified as a narcotic or dangerous drug, the fact remains that the possession or transfer (including gifts) of marijuana and LSD is illegal under both federal and state laws and is punishable under either.

It should be especially noted that "any person who, by himself, agent or through any other person, gives, sells, offers for sale, barters, or exchanges with any person any narcotic in violation of the provisions of said Chapter (79A-8, of the Uniform Drug Act) shall be guilty of a felony and upon the first conviction thereof shall be punished by imprisonment in the penitentiary for not less than five nor more than ten years." The penalty for subsequent offenses is a felony punishable by imprisonment for a period of not less than ten and not more than twenty years with possible life sentence at the discretion of the judge.

Agents of the federal and state governments are engaged in intensive and thorough investigation on a continuing basis throughout the State. The law requires that when a felony is committed the civil authorities shall handle the situation rather than College authorities. Technically the law would say that failure to do so would involve compounding a felony.

Under such circumstances it is clear that the policy of the College must be: "Students involved in civil and criminal offenses will be treated as citizens of the community."

Clearly, the College cannot protect members of its community who commit such offenses. In "Student Freedoms and Responsibilities: A Working Paper," published by the American Association of State Colleges and Universities, it is pointed out that "Students should not expect that university officials will come to their defense for activities committed in violation of civil codes." It ought to be added that this applies to *all* members of the College community.

It should not be inferred from this that the College is indifferent about what happens to members of its community; rather, it has a deep concern for those who may find themselves in violation of the law. It is believed that some may not fully recognize the implications of full accountability and responsibility with regard to drugs, and it is for this reason that this statement is being made.

Cultural and Social Activities

The City of Augusta has a wide variety of cultural and social activities available for students, faculty and staff of the College.

As the "Winter Golf Capital of the World," the city is host each year to the international Masters Golf Tournament.

The vast Clark Hill Reservoir on the Savannah River is located near Augusta. There are exceptional facilities for swimming, camping, fishing, boating, picnicking and other outdoor recreational activities at the reservoir.

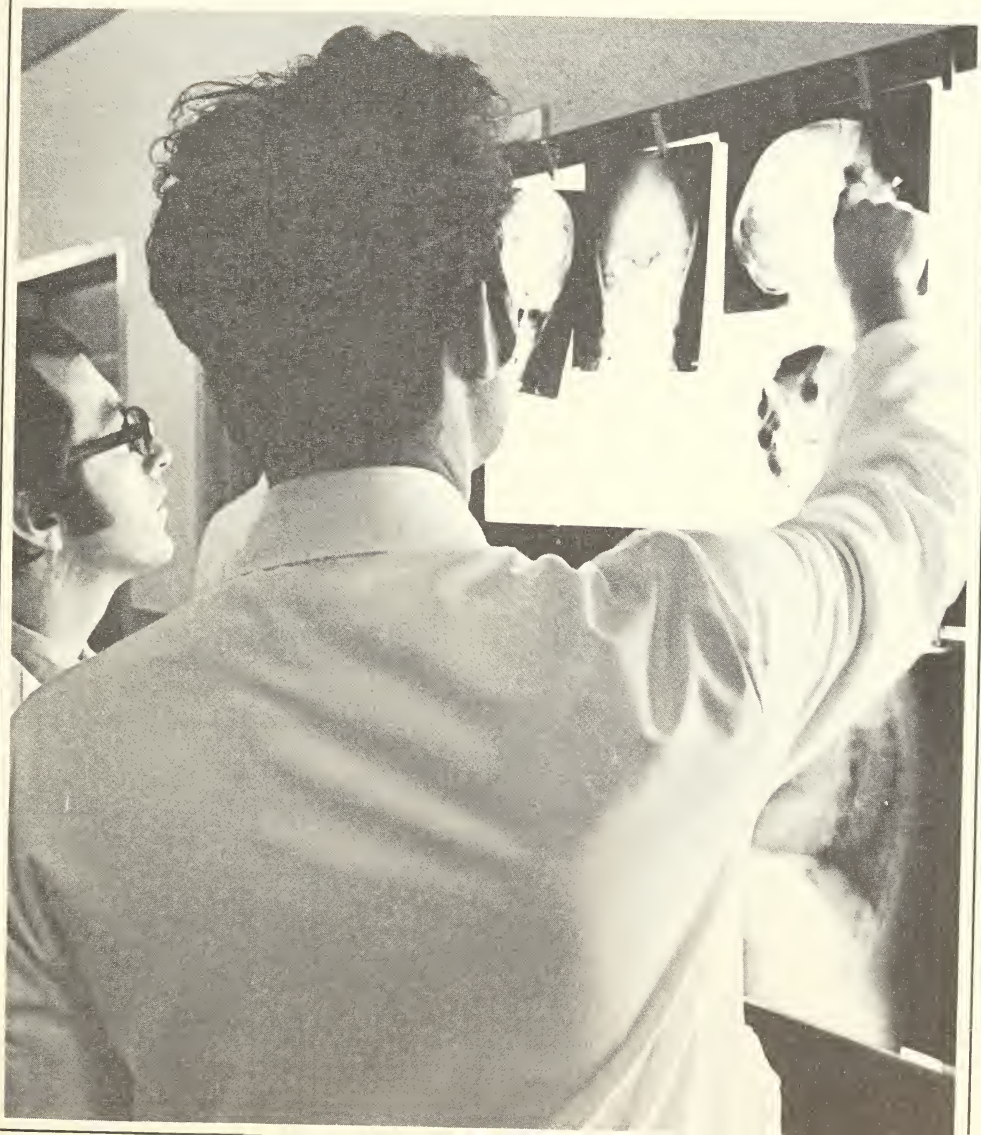
The College provides tennis courts, facilities for badminton, volleyball and other outdoor sports. A putting green is located near the Student Center Building. The Student Handbook lists recreational activities available in the Student Center.

The Medical Arts Series of the College is one of the many cultural programs available in the city. Some of the groups active in presenting performing art groups are: Famous Artist Series, Junior Woman's Club; Augusta Symphony Orchestra, Augusta Players, Inc., Augusta Opera Association, Inc., Augusta Music Club, Augusta Museum, Augusta Community Concert Association, Augusta College Lyceum Series, Augusta Civic Ballet, Inc., Augusta Choral Society, Paine College, American Association of University Women, American Guild of Organists, American Institute of Architects, Augusta Art Association, Historic Augusta, Inc., Augusta Council of Garden Clubs, Inc. and the Fort Gordon Players.

In and near Augusta there are approximately 175 churches representing 35 religious denominations.

The City of Augusta, second oldest in the state, is located near Aiken, South Carolina, where winter polo and other equestrian sports are popular.

The School of Allied Health Sciences



School of Allied Health Sciences Calendar 1974-75

Fall Quarter, 1974

September 18	Orientation
September 19	Registration
September 20	Exemption examinations at Augusta College
September 23	Classes begin
September 26	Last day for late registration and class changes
September 27	Exemption and R.T.P.E. at MCG
October 30	Midterm
October 28-31, November 1	Preregistration for winter quarter
November 5	Election day recess
November 27-December 1	Thanksgiving recess
December 7, 9-13	Examinations
December 13	Term ends

Winter Quarter, 1975

January 2	Orientation and registration
January 3	Classes begin; exemption examinations at Augusta College
January 6	Last day for late registration and class changes
January 10	Exemption and R.T.P.E. at MCG
February 5	Midterm
February 3-7	Preregistration for spring quarter
March 13-15, 17, 18	Examinations
March 18	Term ends

Spring Quarter, 1975

March 24	Orientation and registration
March 25	Classes begin
March 28	Last day for late registration and class changes
April 4	Exemption and R.T.P.E. at MCG
April 25	Midterm
April 28-May 2	Preregistration for summer and fall quarters
May 31-June 2-5	Examinations
June 7	Graduation
June 7	Term ends

Summer Quarter, 1975

June 11	Orientation and registration
June 12	Classes begin
June 13	Exemption and R.T.P.E. at MCG
June 17	Last day for late registration and class changes
July 4	Independence day holiday
July 17	Midterm
July 14-18	Preregistration for fall quarter
August 22, 23, 25-27	Examinations
August 29	Term ends

School of Allied Health Sciences

Dean: Raymond C. Bard, Ph.D.

The School of Allied Health Sciences at the Medical College was established as an administrative entity in 1968. Prior to this date, programs in Medical Illustration, Medical Record Science, Medical Technology and Radiologic Technology had been active; in 1967, the Dental Hygiene program was initiated. Since then, three additional programs, Physical Therapy, Occupational Therapy, and Physician's Assistants have been added to the School. The School is organized into departments, providing programs for each of the allied health professions leading to the baccalaureate degree. In addition, the Associate in Science degree is awarded in Radiologic Technology.

Information pertaining to application, admission, fees and expenses, loans and scholarships can be found in each department's section of this book or in the General Information section of the Catalog.

General Information

General Education Courses for Undergraduate Students

The Medical College is a state supported unit of the University System of Georgia. Being a professional education institution, the College does not maintain faculty for teaching general education courses in the liberal arts and sciences. Other accredited institutions of the University System have been designated to assume the responsibility for offering general education courses for all baccalaureate students registered at the Medical College. Credits and grades for such courses are accepted by the Medical College directly from these institutions as though the courses were taught on the College campus provided the student is registered at this institution while taking the courses.

Lower Division general education courses number 100 through 399 are offered by Augusta College. These courses will be recorded on transcripts issued by the Medical College with the code designation of "AC" indicated.

Transfer Credit

A maximum of 95 academic quarter hours from a junior college, or 141 hours from a senior college or another educational institution may be transferred into a baccalaureate program. See Scholarship and Promotion.

Residence

The minimum residence requirement for a baccalaureate degree is 45 quarter hours. A minimum of 180 quarter hours (excluding Physical Education) is required for a baccalaureate degree.

Examinations on the history and constitutions of the United States and Georgia

Examinations on these subjects are required of all students unless exempted by presentation of course credit dealing with these constitutions and histories. A student is advised to meet this requirement early in his academic career.

Rising Junior Test in English

Board of Regents policy requires that students shall take the Rising

Junior Test in English in the last quarter after they have completed their 60th degree credit hour. Students applying from units of the University System of Georgia will be expected to have passed this three-part test prior to acceptance at the Medical College of Georgia. Such students, as well as other students transferring from non-University System of Georgia Units, who have not passed this test will be required to do so during their first quarter at the Medical College of Georgia as a condition for admission. Students must pass the test in order to receive *any* undergraduate degree.

Scholarship and Promotion

An undergraduate degree shall not be conferred to any person whose overall weighted grade point average (for courses in residence) is less than 2.0. Credit hours in courses with the grade of "D" shall not exceed 20% of the total hours for any degree program. Individual curricula may establish higher standards for achievement, in which case, the higher standards shall apply.

Requirements for Degree

The candidate for an undergraduate degree must consult with the office of the Registrar and the Chairman of his program concerning completion of requirements for graduation. This consultation should be done three quarters before the expected date of graduation. Students who fail to meet this requirement forfeit any equity in the adjustment of possible errors or omissions in their programs.

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the Office of Undergraduate Admissions. Applications for each entering class should be filed no later than April 15.

Early application is recommended. No application fee is required.

Admission Criteria

Preference will be given the applicant who has demonstrated superior academic ability. The applicant must present evidence of graduation from an accredited high school or its equivalent. Preference will be given the applicant to undergraduate programs who has emphasized high school subjects in the sciences (mathematics, chemistry, physics, biology, zoology) and the liberal arts. The entering freshman must present credentials to indicate completion of the following high school credits from an accredited high school.

	Units
English	4
Mathematics (must include one unit of algebra)	2
Science (general biology, chemistry, physics)	2
Social studies (one unit of American history)	4
Other academic units	2
Unrestricted electives	2

High school level test of General Education Development will be accepted.

Scholastic eligibility standards

An undergraduate student who is making satisfactory progress toward a degree will maintain a minimum of:

Grade Point Ratio	Total Hours attempted
1.3	45
1.6	90
1.8	135
2.0	180 — above

Suspension

A student who falls below this standard at the end of any regular academic year will be suspended for the next regular quarter, unless he attends an approved summer school and shows marked improvement. Any full time student who fails to make a passing grade in at least one of his academic subjects may be suspended at the end of any quarter.

Probation

A student who falls below a "C" average in any given quarter or whose cumulative average is below a "C" will be carried on probation and his records marked accordingly.

Dental Hygiene

Chairman: Billy M. Pollard, D.D.S.

In cooperation with the School of Dentistry, this department offers a program of studies leading to the Bachelor of Science degree in Dental Hygiene. Upon satisfactory completion of the Dental Hygiene Program, graduates will be eligible for National and State Board Examinations.

Objectives

The dental hygienist educates patients in effective personal care of the oral cavity and provides, under the supervision of a dentist, oral health care. The opportunity to serve both in the area of education and in the area of direct service affords a unique and satisfying career. The demand for competent faculty in the growing list of dental hygiene programs is opening a major new avenue for self-expression and fulfillment to many talented persons.

Dental hygiene provides a variety of opportunities for career development. The majority of dental hygienists are found in private practice in a dental office or in a group practice environment. An increasing number are serving as members of public health teams at local, state, and national levels. New opportunities in the field of education will be available in both the public schools and the dental hygiene schools. Unlike many other professions, dental hygiene offers the opportunity for either a full-time or a part-time career.

In any of these roles, the dental hygienist performs an important, meaningful service to her community. She is a respected member of society and her financial status compares favorably with those of persons in other health fields who have had comparable education.

Accreditation

The Department of Dental Hygiene is fully accredited by the Council on Dental Education of the American Dental Association.

Admission Requirements

Two years of study at an accredited college of the student's choice precedes admission to training in dental hygiene at the Medical College of Georgia. The clinical and

academic study of dental hygiene is completed at the end of a two-year curriculum at the Medical College of Georgia. A balanced program of studies in the liberal arts and sciences is preferred for the first two years. A recommended predental hygiene curriculum is as follows:

Area I—Humanities
Quarter Hours: 20

*English 101	5 hrs.
*English 102	5 hrs.
Speech	5 hrs.
Electives	5 hrs.
	20 hrs.

SUGGESTED COURSES:
English literature, foreign language, advanced speech, humanities, the arts.
* A Grade of "C" or above required for transcript credit.

Area II—Science
Quarter Hours: 20

Math	5 hrs.
General Chemistry	5 hrs.
Biology with Lab in sequence	10 hrs.
	20 hrs.

Area III—Social Science
Quarter Hours: 20

Sociology	5 hrs.
**Political Science	5 hrs.
**American History	5 hrs.
Electives	5 hrs.
	20 hrs.

**These courses must satisfy the Georgia Legislative Requirements. Exemption examinations may be taken by both in and out-of-state students to satisfy these requirements, however no credit hours are earned. If requirements are to be satisfied by exemption examinations, the student may complete Area III with electives in this area.

SUGGESTED COURSES:
Psychology, Sociology, Anthropology, Philosophy, Religion, Communication Theory, Economics and History.

Area IV—Major Area
Quarter Hours: 30

Electives 30 hours.

SUGGESTED COURSES:
Any of the courses previously listed as suggested courses in Areas I and III. Also advanced Biology, Anatomy and Physiology, Chemistry, Drama, Education, First Aid, Community Health Education, Ceramic Sculpture, Histology, Journalism, Nutrition, and Microbiology.

The total number of credit hours necessary for entrance into the dental hygiene program is 90 quarter hours or 60 semester hours.

A personal interview is required of each candidate. Appointment for the interview is given after the completed application is received by the Medical College of Georgia.

A minimum grade point average of 2.0 is required.

Notice:

The high school curriculum described in the Allied Health Sciences introductory section is recommended, but not required for dental hygiene application.

Fees and Expenses

Estimated Student Expenses Per Academic Year (3 quarters)	First Year	Second Year
Matriculation Fee*	435	435
Student Health fee	30	30
Student Activity fee	30	30
Books and Supplies	100	135
Instruments	210	—
Uniforms	175	—
Field trips	—	50
Housing**	330	330
Food	600	600
Personal, Miscellaneous	450	450
Total	2,360	2,060

*Resident Matriculation fee is $145 per quarter.
Non-Resident Tuition (in addition to matriculation fee is $240 per quarter).
**See Housing section of General Information for costs of various on-campus options. See General Information section for hospitalization and life insurance costs.
Note: Student Health and Activities fees are $10 each per quarter.

Curriculum

Junior Year Fall Quarter		Credit Hours
Anm 320	Human Anatomy & Physiology	5
Dh 312	Oral Anatomy & Physiology	2
Psy 358	Human Behavior I	4
Dh 300	Clinical Dental Hygiene	3
Dh 320	Introduction to Patient Care (lecture)	2
Bio 301	Biochemistry	5
		21
Winter Quarter		
Anm 321	Anatomy & Physiology	4
Mib 301	Microbiology	3
Dh 314	Dental Radiology	4
Dh 301	Clinical Dental Hygiene	3
Dh 321	Dental Hygiene Lecture	2
Dh 404	Periodontics	2
		18
Spring Quarter		
Anm 325	Head & Neck Anatomy	5
Dh 302	Clinical Dental Hygiene	3
Dh 322	Dental Hygiene Lecture	2
Dh 315	Dental Radiology	2
Dh 318	Growth & Development	2

Mib 302	Microbiology	3
Ph 413	Applied Nutrition	2
		19

Years Total Credit Hours 58

Senior Year

Fall Quarter		**Credit Hours**
Dh 424	Dental Assisting	2
Dh 408	Preventive Dentistry I	2
Omd 400	Oral Medicine	2
Dh 407	Introduction to Educational Media	2
Dh 400	Clinical Dental Hygiene	4
Dh 420	Dental Hygiene Seminar	1
Dh 412	Introduction to Public Health	2
Phm 311	Pharmacology and Anesthesiology	4
Dps 300	Dental Materials	2
		21

Winter Quarter

Dh 406	Pathology	4
Dh 409	Preventive Dentistry II	2
Dh 401	Clinical Dental Hygiene	4
Dh 411	Public Health—Field Experience	3
Psy 458	Human Behavior II	4
Dh 421	Dh Seminar	2
		19

Spring Quarter

Dh 425	Dental Assisting	2
Dh 402	Clinical Dental Hygiene	4
Dh 405	Principles of Dental Hygiene Practice	2
Dh 423	Public Health	2
Dh 422	Dental Hygiene Seminar	2
	Directed Teaching & Supervision Education Course	6
		18

Years Total Credit Hours 58

Two-Year Total Credit Hours 116

Course Descriptions

Anm 320, 325, 321. Sequential Courses. General Gross Microscopic and Developmental Anatomy.

Anatomy 320 and Physiology. (5 hours)
This is an integrated course of anatomy for dental hygiene students. It is initiated with cytology, early embryology, and basic histology. Following this, a study of gross anatomy, organology, and embryology is carried out on the vital systems.

Anm 325. Head & Neck Anatomy (5 hours)
Gross, Microscopic, and Developmental Anatomy (regions of the head and neck). This course includes a detailed study of these same facets of the oral cavity.

Anm 321. Gross, Microscopic and Developmental Anatomy. (4 hours)
This course includes the systems not covered in ANM 320 (Including the endocrine system). The course is completed with the regional study of the thorax, abdomen, pelvis, and extremities.

Bio 301. Biochemistry. (lecture & laboratory 5 hrs.)
The course is designed to provide the dental hygiene student with a general knowledge of the field of biochemistry. The chemical composition of body tissues and fluids together with the changes which occur in the life processes are studied. Special attention is given to those aspects of biochemistry which are more closely related to the field of dental hygiene.

Dh 300, 301, 302. Clinical Dental Hygiene. (clinic)
The courses in Dental Hygiene are designed and taught to present to the student a concept of the interrelation of clinical service, health education and interpersonal relationships. The ethical principle of the deliverance of a health service is based on the need of the individual. (3-3-3 hrs.)

Dh 312. Oral Anatomy and Physiology. (lecture)
The course is designed to provide the student with a basic knowledge of the topographical anatomy and prenatal development of oral structures, the nomenclature of the teeth, the comparative forms and functions of the teeth, the microanatomy of the teeth and their supporting structures, and of normal and malocclusion. (2 hours)

Dh 314 & 315. Radiology. (lecture, demonstration and directed exp.)
The course is designed to acquaint the student with the fundamentals of radiology. Intra-oral technics for the taking and processing of radiographs are taught and clinical time is afforded for the application of these principles. (4 hours)

Dh 318. Growth and Development. (lecture and demonstration)
The concepts of maturation, variation and normalcy in children, both in a statistical and clinical sense, are presented to help the student understand children as patients. Application of these concepts are made during clinical experiences with children. (2 hours)

Dh 320, 321, 322. Dental Hygiene Lecture. (2-2-2 hours)
The major goal of the Dental Hygiene Lecture Series is to provide the student with fundamental material and scientific knowledge to enable her to become engaged

in the clinical services of an oral prophylaxis and patient education. Lectures, visual aids, and student instruction question and answer participation will be used to accomplish this goal.

Dh 400, 401, 402. Clinical Dental Hygiene. (clinic 4-4-4 hours)
An overview of the various principles and methods of performing clinical procedures will be presented, including expansion of basic techniques. Supplemental procedures will be discussed with the emphasis on prevention through treatment and patient education. Clinics provide student opportunity for practical application.

Dh 404. Periodontics. (lecture & demonstration 2 hours)
The course contains fundamental material which will provide a sound background and working knowledge of periodontics. A basic understanding of periodontics is necessary for the dental hygiene student to realize the significance of patient education and of the dental prophylaxis, her primary clinical responsibilities.

Dh 405. Principles of Dental Hygiene Practice. (lecture 2 hours)
In preparation for graduation and entry into community and professional life, discussions will be held concerning dental hygiene, employment, private practice environments, legal situations, ethical codes of conduct, business procedures and professional organizations.

Dh 406. Pathology. (lecture & laboratory 4 hours)
This course is designed to familiarize the dental hygiene student with common diseases of the oral regions. Emphasis is placed on clinical manifestations, but histopathological findings are not excluded. The course is not designed to build diagnostic skills, but the student will gain an understanding of oral disease processes and should be able to differentiate normal from common abnormal structures.

Dh 408, 409. Preventive Dentistry. (lecture and demonstration 2-2 hours)
The theoretical basis and research evidence supporting a variety of currently accepted methods for preventing oral disease are discussed. Students are introduced to the practice of these methods in clinical situations.

Dps 300. Dental Materials. (lectures and demonstration 2 hours)
The information concerning dental materials is based on physical, mechanical and chemical principles. The indications and limitations of materials used in both clinical and laboratory procedures will be discussed. The biologic relationships of dental materials and procedures will be stressed along with emphasis being placed on the proper manipulation of materials used by dental hygienists.

Dh. 411. Directed Gield Experience, Incl. Ecology. (3 hours)
Directed field experience will be given to the dental hygiene students to study the pattern and relationships between man and his environment.

Dh 412. Introduction to Public Health. (lecture 2 hours)
This course is designed to provide the dental hygiene student with a working definition of public health and of dental public health, to acquaint her with the nature and scope of public health activities, criteria for priorities, and the tradi-

tional tools of public health. It is intended that the student will have an understanding of the basics of the statistical method, and will be familiar with the milestones in the development of the public health movement.

Dh 413. Applied Nutrition (lecture and demonstration 2 hours)
The course follows earlier courses dealing with bio-chemical aspects of nutrition. Oral manifestations of faulty nutrition are presented. The student is instructed in diet history taking and dietary counselling.

Dh 420, 421, 422. Dental Hygiene Seminar. (1-2-2 hours)

Dh 423. Public Health. (lecture 2 hours)

Mib 301. Microbiology. (lecture and demonstration 3 hours)
A comprehensive study of microbiology for students of dental hygiene. The course covers systematic microbiology, microbial physiology and metabolism, sterilization, infection and resistance, and the microbiology of the mouth.

Mib 302. Microbiology (lecture and demonstration 3 hours)
A comprehensive study of microbiology for students of dental hygiene. The course covers the microbiology of dental caries, periodontal disease, endodontics, wound and soft tissue infection and infectious diseases with oral manifestations.

Phm 311. Pharmacology and Anesthesiology. (lecture 4 hours)
This course is designed to acquaint the dental hygiene student with certain concepts of drug action in the human. Knowledge of drugs is important so that the hygienist can assume her proper role as a member of an oral health team.

The following areas will be covered and related to oral health care: 1) General Principles of Pharmacology and Drug Action, 2) Methods of Drug Administration, 3) The Health History and Its Significance for Dental Therapy, 4) Chemotherapy and Antisepsis, 5) Autonomic and Cns Pharmacology 6) Local and General Anesthesia, 7) Therapy of Blood Defects, and 8) Therapy in Important Systemic Diseases.

Dh 407. Introduction to Educational Media.
A survey of audiovisual media as effective means for achieving educational objectives. Emphasizes selection and use of both commercially available and simple locally produced instructional materials in a large group or individual communication interaction.

Dh 324, 325. Dental Assisting.
The course in dental assisting is designed to allow the dental hygiene student to obtain an overview of dental office procedure. She should gain a general knowledge of the various procedures performed by each member of the dental office team.

Omd 400. Oral Medicine.
The course in Oral Medicine is designed to aid the student in recognizing the signs and symptoms of oral disease. The course will relate oral disease to systemic disease, teach the student to recognize the signs and symptoms of systemic disease and the oral manifestations of systemic disease.

Psy 358, 458. Human Behavior I and II. (lecture 4-4 hours)
The course objective is to provide the hygiene student with a basic understanding of normal and

abnormal behavior so that a greater awareness of self needs, needs of others, and acuity in interpersonal relationships is made possible. The course deals with the influence that people have upon the beliefs and behaviors of others. It is the study of social influence and processes involved in behavior and behavioral change.

The Department of Dental Hygiene also offers a baccalaureate degree to those candidates who are registered dental hygienists with an associate degree in dental hygiene, and who wish to continue their education.

For additional information, write to:

Chairman
Department of Dental Hygiene
Medical College of Georgia
30902

Medical Illustration

The Bachelor of Science degree program in Medical Illustration will not be offered during 1974-75. The Medical Illustration program is a graduate program leading to the Master of Science degree and is hence under the supervision of the School of Graduate Studies. Please see page 113 of this publication for the description of the program.

It is anticipated that a baccalaureate program will be developed in the future in the area of audio-visual techniques which will involve those areas of communication and art considered to be adjuncts of medical illustration. The program would include such subjects as medical graphics, statistical presentations (charts and graphs), photography, closed circuit television techniques, slide tape presentations, animation methods and diagrammatic representation. Description of this program will appear in future bulletins.

Medical Record Administration

Chairman: Juanita Sirmans, RRA, A.B.

This department offers a program of studies leading to the Bachelor of Science degree in Medical Record Administration. This program was approved in 1962 by the Board of Regents of the University System of Georgia. Students are accepted after completion of two years of college. The curriculum of the last two years utilizes the facilities of Augusta College and the Medical College of Georgia. Professional educational activities are provided in the teaching hospital of the College, Eugene Talmadge Memorial Hospital, University Hospital, and other institutions in the city of Augusta, and hospitals in other cities in Georgia and adjoining states. Student enrollment is limited.

The program of the junior and senior years includes liberal arts courses, study and experience in medical record administration, statistics, fundamentals of medical science, law as related to medical records and hospitals in general, medical information handling, organization and administration and systems of processing data in medical care institutions.

Objectives

A medical record administrator is responsible for the development

and maintenance of a system of medical records which will promote the best medical care for the patient, provide training materials for interns and residents, and serve as a source of information for medical research and clinical evaluation.

Most medical record administrators are employed in hospitals. Others work in clinics, medical research centers, medical departments of insurance companies, health agencies and local and state health departments.

The demand for qualified personnel is great and the number of unfilled positions is increasing, largely due to the increase in the number of hospitals and the complexity of medical records.

As a member of the health care team, the medical record administrator works with the administrative, medical, and other professional staffs of the institution; he is concerned with the development, analysis, maintenance and use of records and reports.

The Department of Medical Record Administration of the Medical College of Georgia has as its goal the education of mature persons who are capable of utilizing the vast resources of the institution to acquire knowledge and attain professional status. The student is encouraged to set his own goals and, through faculty leadership, develop to his fullest potential. It is expected that graduates will be equipped to become productive and contributory members of the profession and the institution in which they are employed and capable of accepting the responsibilities of management and service required of them. It is hoped that graduates will acquire advanced degrees and become teachers and leaders in this challenging field of health science.

Accreditation

The Department of Medical Record Administration is approved by the Council on Medical Education of the American Medical Association and by the American Medical Record Association.

Graduates are eligible for the registration examination of the American Medical Record Association, successful completion of which entitles them to use the title "Registered Record Administrator" (RRA).

Admission Requirements

The applicant may attend any accredited college or university of his choice for the freshman and sophomore years; however, admission and academic requirements of the Medical College of Georgia must be met. Preference will be given to those applicants who have demonstrated superior ability in all academic areas. All applicants must satisfy the U.S. and Georgia History and Constitution requirements by examination or by taking the courses. Courses listed in the Augusta College catalog as History 211 or 212 and Political Science 101 meet this legislative requirement and these or equivalent courses may be taken in summer school or by correspondence through the University of Georgia. It is the responsibility of each student to make arrangements for these courses or to complete satisfactorily an examination on the subjects; it is recommended that arrangements be made prior to enrollment at the Medical College of Georgia.

Accepted students transfer to the Medical College program in Medi-

cal Record Administration at the beginning of the third year. Admission requirements, in addition to those listed in the General Information section, include a curriculum for the freshman and sophomore years which shows a minimum of 90 quarter hours (exclusive of Physical Education) of acceptable work as follows:

	Quarter Hours
Area I—Humanities	
English 101	5 hr.
English 102	5 hr.
Electives	10 hr.
Total	20 hr.
SUGGESTED ELECTIVES: English Literature, Humanities.	
Area II—Mathematics and Life Science	
Mathematics	5 hr.
Biology 101	5 hr.
Biology 102	5 hr.
Elective	5 hr.
Total	20 hr.
SUGGESTED ELECTIVES: Chemistry, Microbiology, Genetics, Vertebrate Zoology, Comparative Vertebrate Anatomy, or other life science.	
Area III—Social Science	
* Political Science	5 hr.
* American History	5 hr.
* Both must satisfy Georgia Legislative Requirements. Exemption examinations may be taken by both in- and out-of-state students; however, no credit hours are earned.	
Electives	10 hr.
Total	20 hr.
SUGGESTED ELECTIVES: Psychology, Sociology, Economics, Philosophy, Logic, Anthropology, Religion, History.	
Area IV—Major Area	
Science Elective	5 hr.
Other Electives	25 hr.
Total	30 hr.
SUGGESTED ELECTIVES: Speech, Art or Music Appreciation, Secretarial Science, Management, Mathematics, Computer Programming, Education, with no more than 10 additional hours from electives in Areas II and III.	

Courses in the sciences should include two courses in biology with laboratory, one course in chemistry with laboratory, and one course with or without laboratory. Courses in Human Anatomy and Physiology are offered as a part of the professional curriculum at the Medical College of Georgia.

Students are encouraged to take at least one course which will enhance their ability to analyze

problems and data. Some courses appropriate from which to choose are:
Logic (Philosophy), Research Methods, Computer Programming, Higher Mathematics and Statistics.

It is also recommended that students take at least one course in Psychology. Those courses which would be of particular benefit include Principles of Psychology, Social Psychology, Personality and Adjustment, or Applied Psychology.

Either credit or proficiency in typing must be demonstrated.

All admission prerequisite courses must be completed prior to registration in the Fall Quarter of the senior year.

The faculty of the Department of Medical Record Administration is prepared to assist prospective students in planning courses for the first two years of college.

Fees and Expenses

Estimated Student Expenses

Per Academic Year	**First Year**	**Second Year**
Matriculation fee*	435	435
Student Health fee	30	30
Student Activity fee	30	30
Books and Supplies	150	125
Uniforms	100	—
Housing**	330	330
Food	600	600
Personal miscellaneous	450	450
Total	2,125	2,000

* Resident Matriculation fee is $145 per quarter.
Non-Resident tuition (in addition to matriculation fee) is $240 per quarter.
** See General Information section for the cost of on-campus housing options. See General Information section for hospitalization and life insurance costs.
Note: Student health and Activities fees are $10 each per quarter.

Special Fees and Expenses

The student should make provision for living expenses for one month while on assignment to hospitals outside the city of Augusta. Students are encouraged to attend professional meetings for which they will bear the expense of travel, room and board, and registration fee. Such meetings do not usually last more than two days.

Application Procedure

Application materials may be secured from the Office of Undergraduate Admissions. No application fee is required.

Early application is recommended and applications for the September class should be filed at least by April of that year, and transcripts should be submitted as work is completed.

A personal interview with faculty members is required and must be scheduled by the applicant. Early scheduling of interviews is recommended.

Completed applications will be reviewed and applicants notified of the final action on their applications by June 1.

Financial Assistance

The American Medical Record Association has limited funds for loans to senior students in this program. Information may be secured from the office of the Chairman of the Department of Medical Record Administration. For information on other funds available, see the General Information section.

Curriculum

At the beginning of the third year of college the student enters the program at the Medical College of Georgia. Courses in the professional program are offered on this campus and at Augusta College. Organized courses are described below. Directed experiences are planned in several hospitals, principally at Eugene Talmadge Memorial Hospital, the teaching hospital for the Medical College of Georgia. Only grades of "C" or above are acceptable in professional courses.

Junior Year

Fall Quarter

		Quarter Hours
Ahs. 300.	The Health Care Environment	12
Anm 320.	Anatomy and Physiology I	5
Mra 301.	Medical Terminology I	3
Mra 310.	Theory of Medical Record Administration I	4
Mra 319.	Fundamentals of Management	3
Total		27

Winter Quarter

Anm 321.	Anatomy and Physiology II	5
Mra 302.	Medical Terminology II	3
Mra 320.	Organization and Administration I	3
Mra 340.	Directed Experience I	2
	Elective	4-5
Total		17-18

Spring Quarter

Mra 311.	Theory of Medical Record Administration II	6
Mra 321.	Organization and Administration II	3
Mra 341.	Directed Experience II	4
Mra 401.	Fundamentals of Medical Science I	5
Total		18

Senior Year

Fall Quarter

		Quarter Hours
Mra 402.	Fundamentals of Medical Science II	5
Mra 410.	Theory of Medical Record Administration III	5
Mra 420.	Organization and Administration III	3
Sta 301.	Elementary Medical Statistics	3
Mra 440.	Directed Experience III	2
Total		18

Winter Quarter

Mra 422.	Legal Concepts for the Health Fields	3
Mra 411.	Theory of Medical Record Administration IV	4
Mra 421.	Organization and Administration IV	3
Mra 430.	Data Processing Systems I	6
Total		16

Spring Quarter

Mra 425.	Director's Seminar	3
Mra 431.	Data Processing Systems II	3
Mra 441.	Directed Experience IV	12
Total		18

Course Descriptions

Ahs 300 b. The Health Care Environment. (2 hours.)
An introductory study of the present system of health care on the local, state, national and international levels. The changing pattern of health manpower needs and the emerging trends of health care are explored. Selected patient studies are used to present the social, cultural and economic aspects of health care delivery.

Anm 320, 321. Anatomy and Physiology. (10 hours (5,5).)
A course in human anatomy and physiology designed especially to meet the needs of students in the allied health sciences. Consists of lectures, demonstrations, and laboratory activities.

Mra 301, 302. Medical Terminology. (5 hours (3,3).)
A study of the language of medicine including word construction, definition, and use of terms related to all areas of medical science, hospital services, and health related fields.

Mra 310, 311, 410, 411. Theory of Medical Record Administration. (19 hours 4, 6, 5, 4 respectively).
A survey of the history and development of medical record systems; an in-depth study of the principles of securing, analyzing, processing, preserving, and using medical data; development of indexes, registers, and hospital statistics; inter-relationships of various types of institutions and agencies involved in health care.

Mra 319. Fundamentals of Management. (3 hours.)
An introductory study of the management process and the fundamental functions of planning, organizing, actuating, and controlling with emphasis on managerial planning.

Mra 320. Organization and Administration I. (3 hours.)
A study of the planning function of management as related to office management in a medical record department.

Mra 321. Organization and Administration II. (3 hours.)
An in-depth study of the organizing and controlling functions of management.

Mra 420. Organization and Administration III. (3 hours.)
A study of the actuating function of management covering such topics as psychology of personnel, selection and placement of personnel, employee training, salary administration, and supervision.

Mra 421. Organization and Administration IV. (3 hours.)
Student projects and research designed to utilize skills and knowledge from other courses related to management of a medical record department. Independent study.

Mra 340, 341, 440, 441. Directed Experience. (20 hours—2, 4, 2, 12 respectively.)
Supervised learning experience through which the student develops insight, understanding and skill in record keeping in hospitals and other medical institutions. The student learns to deal with problems of department and personnel management, accepts responsibilities for certain jobs in the medical record department, gains experience in working with professional and non-professional groups in a health agency, and recognizes the need for preservation

of the confidentiality of medical information.

Mra 401, 402. Fundamentals of Medical Science. (10 hours 5,5.)
An introduction to medical science including study of nature and cause of disease, treatment and management of patients. Presented by the physicians representing all of the major clinical areas of medicine.

Mra 422. Legal Concepts for the Health Fields. (3 hours.)
Principles of law affecting health records; rights of persons requiring information from medical records; medicolegal problems; court procedures; principles of ethics; management of release of information from hospital medical records.

Mra 425. Director's Seminar. (3 hours.)
Seminar on situations encountered in medical record departments in hospitals, clinics, and other medical facilities.

Sta 301. Elementary Medical Statistics. (3 hours.)
The student is introduced to basic statistical principles; classification, analysis, interpretation, and presentation of data; and research methodology.

Mra 430. Data Processing Systems I. (6 hours.)
A study of the application of newer techniques of data processing, data management, and information storage and retrieval to the needs of medical institutions. Emphasis is placed on problem solving and systems design.

Mra 431. Data Processing Systems II. (3 hours.)
Practical application of principles and procedures presented in Mra 430.

Medical Technology

Chairman: Armand B. Glassman, M.D.

Medical Technology is an established allied health profession providing patient diagnosis and treatment through laboratory application of biological, immunologic and chemical principles. The curriculum is designed to take advantage of rapid advancement in the art and science of medical technology.

Objectives

A primary goal of our program is to encourage a graduated academic experience so that the student can gain increasing confidence and competence in the variety of subjects which will have to be mastered in order to engender the best in patient care. Continued revision of the curriculum will permit an opportunity for emphasis in specific areas of student interest in an adaptive way for the future.

Opportunities

Although most medical technologists are found working in general hospital laboratories, it is not unusual to find technologists employed in industrial laboratories, medical research programs, pharmaceutical laboratories, armed forces, Peace Corps, and other

volunteer agencies as well as private physicians' offices or clinics. In addition, an ever increasing number of technologists are needed to serve as professional educators in approved schools of medical technology.

Accreditation

The Medical Technology program is approved by the Council on Medical Education of the American Medical Association in collaboration with the Commissioner of Medical Technology and with the Board of Schools of Medical Technology of the American Society of Clinical Pathologists.

Graduates are eligible for examination by the Registry of Medical Technologists of the American Society of Clinical Pathologists.

Fees and Expenses

Estimated Student Expenses Per Academic Year	Junior Year	Senior Year*
Matriculation fee**	435	580
Student Health fee***	30	40
Student Activities fee***	30	40
Books and Supplies	225	295
Uniforms****		110
Housing*****	330	440
Food	630	840
Personal, miscellaneous	475	630
Total	$2,155	$2,975

* Senior year requires four quarters to complete.

** Non-Resident, Tuition (in addition to matriculation fee) $240 per quarter.

*** Student Health and Student Activity fees are $10 each per quarter.

**** During Clinical Practicum—senior year—female students are required to wear white uniforms and shoes; male students are required to wear shirts with tie, trousers and short white lab coats.

***** See General Information for the cost of on-campus housing options. See General Information section for hospitalization and life insurance costs.

Application Procedures

Application forms with instructions for completing the admission procedure may be obtained from the office of Undergraduate Admissions. Applications for the entering September class must be filed no later than April 15. Early application is recommended. No application fee is required. Applications completed after this time will be considered on an individual basis.

Students may begin their senior years in either the summer or fall quarter. When notified of acceptance, the applicant is requested to accept or decline the appointment in writing to the Department of Medical Technology. The Department should be notified no later than six weeks prior to the intended admission date.

Requirements for Admission

Admission and academic requirements of the Medical College of Georgia must be met. Applicants may attend any accredited college or university of their choice for the freshman and sophomore years. Accepted students transfer to the Medical College of Georgia program in Medical Technology at the beginning of their third year. Preference will be given to those applicants who have demonstrated superior ability in all academic areas. A personal interview is required of all applicants. Admission requirements, in addition to those listed in the General Information Section, include a curriculum for the freshman and sophomore years which contains a minimum of 90 quarter hours (exclusive of Physical Education) of acceptable work. All applicants must satisfy the U.S. and Georgia History and Constitution requirements by examination or academic courses. It is the responsibility of each student to make arrangements for these courses or to complete satisfactorily an examination on the subjects. These arrangements should be made prior to enrollment at the Medical College of Georgia.

Curriculum

At the beginning of the third year of college the student enters the program at the Medical College of Georgia. Courses in the professional program are offered on this campus and at Augusta College. Clinical experiences are planned at the Eugene Talmadge Memorial Hospital and the University Hospital, Augusta, Georgia.

Years Total Credit Hours

All students must satisfy the three year requirements of the Registry of Medical Technologists of the American Society of Clinical Pathologists before admission to senior standing. These requirements include a minimum of 24 quarter hours of Chemistry and 24 quarter hours of Biology.

Scholarship and Promotion

Promotion of student from one year to the next is dependent upon the satisfactory completion of each year's work. Promotions are considered on the basis of recommendations by individual instructors, on departmental evaluations, and on the student's total record.

The faculty has the obligation

and right to determine the methods of evaluation by performance or by examination, and to evaluate each student individually. Comprehensive examinations will be scheduled at the end of the fourth year.

Core requirements for admission to the junior year include:

Area I—Humanities	**20 hours**
English	10
Electives	10
(English, Speech, Humanities, Foreign Language)	
Area II—Nautral Sciences	**20 hours**
Math	10
Chemistry	10
Area III—Social Sciences	**20 hours**
*Political Science	5
*American History	5
Free Electives	10
Area IV—Major Area	**30 hours**
Physics	5
Chemistry	10
Biology w/lab	15
TOTAL	90

*The state of Georgia requires that any student who receives a degree from one of their institutions of higher education will have demonstrated a proficiency in United States and Georgia Constitution and History. A student is advised to meet this requirement early in his academic years by taking courses in Political Science and American History.

Junior Year Proposed Credit Hours (Minimum)	45
Mtc 362 Instrumentation	5
Mtc 363 Urinalysis	3
Mib 310 Introductory Microbiology	5
Mtc 371 Medical Mycology and Parasitology	5
Mtc 375 Basic Immunology	3
Mtc 381 Fundamentals of Clinical Hematology	5
Anm 320-321 Anatomy and Physiology	10
Cmb 345 Biochemistry	5
Ahs 300A or B The Health Care Environment	3
Mtc 364 Laboratory Mathematics	2
Mtc 494 Directed Individual Study	TBA
Senior Year Proposed Credit Hours (Minimum)	80
Mtc 440. Clinical Chemistry	9
Mtc 442. Clinical Practicum Chemistry	10
Mtc 445. Quality Control	3
Mtc 448. Microbiology	14
Mtc 449. Clinical Practicum Microbiology	10
Mtc 472. Immunohematology Related to Transfusion Services	9
Mtc 473. Clinical Practicum Blood Bank	10
Mtc 474. Diagnostic Immunology	4

Mtc 481. Hematology	9
Mtc 482. Clinical Practicum Hematology	10
Mtc 493. Medical Technology Seminar	1
Mtc 494. Directed Individual Study	TBA

Course Descriptions

Junior Level (Lecture-Lab-Credit)

Ahs 300A or B. The Health Care Environment (3-0-3 hours)
A study of anatomy and terms related to all medical science, hospital services, and health related specialities, taught as a part of Ahs 300.

Mtc 362. Instrumentation (3-5-5hours)
A course in laboratory instrumentation covering the working principles of those instruments used in laboratory medicine.

Mtc 364. Laboratory Mathematics and Preparations (1-1-2 hours)
Calculations and mathematical equations involved in the preparation of various chemicals and reagents for use in the clinical laboratory. Practice in preparation of these reagents and chemicals is included.

Bio 201. Invertebrate Zoology (3-4-5 hours)
Prerequisites: Biology 102 or 103. An examination of the morphology, physiology and life histories of representative invertebrates. (Augusta College)

Bio 202. Vertebrate Zoology (3-4-5 hours)
Prerequisites: Biology 102 or 103. The morphology, physiology, and life histories of representative vertebrates. (Augusta College)

Bio 301. Cell and Molecular Biology (3-4-5 hours)
Prerequisites: Biology 102 or 103, Chemistry 102, and permission of Instructor.
The biochemical composition, the microscopic and fine structure and the capabilities of cells. (Augusta College)

Bio 302. Genetics and Development (3-4-5 hours)
Prerequisite: Biology 301.
The historical and contemporary aspects of mechanisms of inheritance. The genetic basis of biological variation and differentiation. (Augusta College)

Bio 311. Introductory Microbiology (3-4-5 hours)
Prerequisites: 10 hours of biological science and 5 hours of chemistry or permission of the Instructor. A study of microorganisms and their relationship to human welfare. (Augusta College)

Bio 312. Comparative Vertebrate Anatomy (3-4-5 hours)
Prerequisites: Biology 102 or 103. An examination of the gross morphology of various selected types of chordates. The development of a modern phylogenetic point of view. (Augusta College)

Mtc 363. Urinalysis (2-3-3 hours)
Basic analysis and microscopic examination of urine and its use as a diagnostic tool.

Mib 310. Introductory Microbiology (4-4-5 hours)
Lectures, demonstrations and laboratory instruction in the nature of microorganisms, medical bac-

teriology and virology. Content will include morphology, physiology and taxonomy of representative microorganisms; bacteria and viruses of medical importance and their relation to diseases of man.

Mtc 371. Medical Mycology and Parasitology (3-4-5 hours)
Introduction to fungi and yeasts of medical importance, including isolation, identification, pathogenesis, treatment and safety precautions. To also include the study of more common isolates classified as contaminants in the clinical laboratory. Introduction to techniques for the examination and identification of parasites which infest man.

Mtc 375. Basic Immunology (2-3-3 hours)
Basic principles of immunology; antigenic and antibody response with serologic methodology.

Mtc 381. Fundamentals of Clinical Hematology (3-4-5 hours)
Prerequisites: Mtc 362 and 375, or permission of Instructor.
Blood cell derivation, maturation and function with emphasis on normal blood and bone marrow morphology. Basic principles of hemostasis and blood coagulation. Study and interpretation of basic hematologic procedures utilized in diagnosis and treatment of various blood dyscrasias and hemorrhagic disorders. Practical experience is gained in all basic procedures using both manual and automated techniques.

Bio 314. Principles of Physiology. (3-4-5 hours)
Prerequisites: Biology 102 or 103, and Chemistry 341.
A comparative study of the physiological control mechanisms. The main themes include sensory reception, the mechanisms of homeostasis, transformation ofp. energy by living systems and the physiology of effector systems. (Augusta College)

Bio 315. Histology (3-4-5 hours)
Prerequisites: Biology 102 or 103.
A descriptive study of tissues composing various organs of the vertebrate body. (Augusta College)

Anm 320. Anatomy and Physiology (5 hours)
Course description is listed under Medical Records.

Anm 321. Anatomy and Physiology (5 hours)
Course description is listed under Medical Records.

Chm 103. Introductory Analytical Chemistry (3-6-5 hours)
Prerequisite: Chm. 102.
A continuation of Chm. 102 and includes ionic equilibria, pH, buffers, solubility products, and hydrolysis. The laboratory includes separation and identification principles and practices for common cations as well as introductory quantitative analysis. A non-compulsory problem session one day per week is normally scheduled. (Augusta College)

Chm 245. Basic Organic Chemistry and Biochemistry (4-2-5 hours)
Prerequisite: Chm. 101 or 105.
Fundamental elements of organic chemistry and biochemistry, emphasizing biochemical changes taking place in life processes. (Augusta College)

Chm 281. Quantitative Inorganic Analysis (3-8-6 hours)
Prerequisite: Chm. 103.
The theories, principles, and practices of volumetric, gravimetric, and elementary instrumental analysis. (Augusta College)

Chm 341. Organic Chemistry I (4-3-5 hours)
Prerequisite: Chm. 102.
A systematic study of the composition, nomenclature, preparations, and reactions of compounds of carbon. Reaction mechanisms will be introduced. (Augusta College)

Chm 342. Organic Chemistry II (4-3-5 hours)
Prerequisite: Chm. 341.
A continuation of Chm. 341. (Augusta College)

Cmb 345. Biochemistry (4-3-5 hours)
Introduction to physiologic chemistry and its changes and effects in disease.

Sta 301. Elementary Medical Statistics (3-0-3 hours)
Basic statistical principles, sampling, classification of data, classification of types of studies, interpretation and methods of presentation of medical information.

Senior Level

Hs 400. Introduction to Management Decision Concepts (3-0-3 hours)
Course description is listed under Management Decision Concepts.

Mtc 440. Clinical Chemistry (5-9-9 hours)
A transition from basic chemistry to chemistry as applied to medicine. Fundamental concepts as they pertain to colloids in relation to carbohydrates, fats, and proteins. Methodology of examination of body fluids, secretions and excrements.

Mtc 445. Quality Control (3-0-3 hours)
Quality control including statistical, biological and mechanical methods as applied to all areas of the clinical laboratory.

Mtc 442. Clinical Practicum Chemistry (5-30-10 hours)
Prerequisite: Mtc 440 or permission of Instructor.
Practical application and techniques in Clinical Chemistry.

Mtc 448. Clinical Microbiology (8-12-14 hours)
Prerequisites: Mib 310, Mtc 371, or permission of Instructor.
Distribution and nature of pathogenic microorganisms; mechanisms of transmission, pathogenesis; principles of communicable diseases and disease control; diagnostic methods of isolation and identification including serological methods. Theoretical and practical knowledge presented so that students work with materials and problems related to diagnostic microbiology.

Mtc. 449. Clinical Practicum Diagnostic Microbiology (5-30-10 hours)
Prerequisites: Mtc 448 or permission of Instructor.
Practical application of diagnostic techniques in the hospital microbiology laboratory.

Mtc 472. Immunohematology Related to Transfusion Service (5-6-8 hours)
A basic outline of immunogenetics, the fundamentals of antigen-antibody reactions, and a survey of the various blood group systems as they relate to medicine with practical experience and personal instruction in all aspects of blood banking, including donor room experience from the interviewing of donors to the proper drawing of a unit of blood. In the preparation areas, the proper procedures and controls in the preparation of a unit

of blood for distribution to the cross-matching line are taught. In problem assignments students learn how to approach the identification of an unknown antibody, the titering of antibodies, and how to work toward the identification of an unknown blood group.

Mtc 473. Clinical Practicum Blood Bank (5-30-10 hours)
Prerequisite: Mtc 472 or permission of instructor.
Practical application and techniques in blood banking.

Mtc 474. Diagnostic Immunology (2-4-4 hours)
Prerequisite: Mtc 375 or permission of Instructor.
Comprehensive methodology in theoretical principles for diagnostic immunology.

Mtc 481. Clinical Hematology (5-8-9 hours)
Prerequisites: Mtc 345, 370, and 381, or permission of Instructor
An in depth study of qualitative and quantitative changes in peripheral blood and bone marrow cells found in pathologic disorders. Correlation of hematologic tests with other clinical findings in the diagnosis of various blood dyscrasias. Practical experience is gained in cytochemical study of blood cells, tests utilized in the differential diagnosis of hemorrhagic disorders, and the study of abnormal peripheral blood and bone marrow films. Study and interpretation of case history studies. Students participate in Hematology Grand Rounds, Hematology Conferences and Laboratory Medicine Case History Presentations.

Mtc 482. Clinical Practicum Hematology (5-30-10 hours)
Prerequisite: Mtc 481 or permission of Instructor.
Practical application and techniques in hematology.

Mtc 493. Seminar in Medical Technology (1-0-1 hours)

Mtc 494. Directed Individual Study (To be Arranged)

Occupational Therapy

Chairman: Nancy D. Prendergast, M.Ed., O.T.R.

Objectives

Occupational therapy is a health profession which contributes to the physical and emotional independence and well-being of an individual through the use of selected activities. The focus of occupational therapy is meaningful involvement in problem-solving tasks and productive performance to promote and maintain health, evaluate behavior, diminish dysfunction and pathology, and enhance the capacity to function with satisfaction to self and others.

The frame of reference for occupational therapy is derived from the biological and behavioral sciences with particular emphasis on those aspects related to man's acquisition and integration of behavior necessary for self-care, productivity and social development.

The functions of occupational therapists are to:

A. Serve the individual client or patient by:
   1. Assessing his performance capacities and deficits.
   2. Selecting tasks or activity

experiences appropriate to his defined needs and goals.
3. Facilitating and influencing his participation and investment.
4. Evaluating his response, assessing and measuring change and development.
5. Validating assessments, sharing findings and making appropriate recommendations.

B. Provide consultative services in relation to the profession and its functions.
C. Provide administrative and supervisory leadership for occupational therapy programs.
D. Facilitate and participate in community health care planning and activities.
E. Promote, plan, implement and conduct research for the benefit of the public and the growth of the profession.

Upon referral from qualified physicians and others in the broader health care community, the registered occupational therapist may focus on one or more of the following:

Prevention and Health Maintenance, which has as its purpose the fostering of normal development, sustaining and protecting existing functions and abilities, preventing disability and/or supporting levels of restoration or change.

Remediation, which focuses on the reduction of pathology or specific disability, providing task and activity experiences which may diminish the particular impairment, restore or develop the individual's capacity to function.

Daily Life Tasks and Vocational Adjustment, which are primarily concerned with work adaptation and work role adjustment and where the tasks chosen are those which will promote and teach independent functioning, develop and enhance the ability to work and/or fulfill age-specific life tasks and roles.

Opportunities

The registered occupational therapist works in general and special hospitals, clinics, rehabilitation centers, public health and other community agencies, nursing homes, special schools and neighborhood health centers as well as in private practice and in colleges and universities.

There is an acute shortage of registered occupational therapists. Thousands of positions at all levels are waiting to be filled and new positions are being created.

Fees and Expenses

Estimated Student Expenses Per Academic Year (3 quarters)	First Year	Second Year
Matriculation Fee*	435	435
Student Health Fee	30	30
Student Activity Fee	30	30
Books and Supplies	225	175
Uniforms	75	—
Field Trips and Travel	85	350
Housing**	330	330
Food	600	600
Personal, miscellaneous	450	450
Total	2,260	2,400

* Resident Matriculation fee is $145 per quarter.
Non-resident tuition (in addition to matriculation fee) is $240 per quarter.
** These are approximate costs for those who wish to live on campus.
Note: Student Health and Activities fees are $10 each per quarter.

Special Needs

Students who are accepted into the program must be prepared to travel to facilities throughout the Southeast United States to complete the full-time field work requirements in the senior year of study. Some travel may also be required to facilities in Georgia and South Carolina during the junior year. Financial assistance for these additional expenses cannot be guaranteed although every effort will be made to assist students with major financial problems.

Admission Requirements

Applicants may attend any accredited college or university of his choice for the freshman and sophomore years; however, all requirements of the Medical College of Georgia must be met.

The following subjects or subject areas are to be included in the students pre-professional course work:

Area I—Humanities

English Composition	10
Humanities	10
	20 qtr. hours

Area II—Natural Sciences
SUGGESTED COURSES:
Biology, Chemistry, Physics

Math	5
Sciences	15
	20 qtr. hours

Area III—Social Sciences

History	5
Political Science	5
Psychology	5
Sociology	5
	20 qtr. hours

Area IV—Major Area

Abnormal Psychology	5
Advanced Sociology	5

* Biology	10
Basic Chemistry and	5
General Physics	5
Electives	
(It is suggested that some electives be taken in fine and applied arts; manual arts; and/or home economics.)	
	20 qtr. hours

* May be satisfied in this area or in the natural science area.

Prior to graduation students must satisfy the Georgia Legislative requirements for U.S. and Georgia History and Constitution by course work or examination.

Interested applicants should contact the Medical College of Georgia, School of Allied Health Sciences, Department of Occupational Therapy as early in their academic program as possible.

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the Office of Undergraduate Admissions.

Early application is recommended. No application fee is required.

1. It is best to complete all application requirements by April 15 of the year in which one is applying for admission in September. Applications completed after this time will be considered on a space available basis.
2. Have a personal interview with the Chairman or other designated person prior to April 30 of the year one is applying for fall admission.
3. Have completed at least 90 quarter hours (60 semester hours) exclusive of physical education with a minimum grade point average (on a 4.0 system) of C (2.0) overall and C + (2.5) in the sciences.

Financial Aid

In addition to the sources of financial aid available to all College students, there are some sources available specifically for students enrolled in an occupational therapy curriculum. For information on these sources contact: Chairman, Department of Occupational Therapy, Medical College of Georgia.

Curriculum

The curriculum in Occupational Therapy at the Medical College of Georgia is planned in accordance with the essentials of an accredited curriculum in occupational therapy as established by the American Occupational Therapy Association and the Council on Medical Education of the American Medical Association.

The occupational therapy curriculum is designed as a continuum of learning experiences so organized as to facilitate the personal and professional growth of the student. While the main objective of the program is to prepare the student to function as a clinician, because of the nature of the profession, he must be exposed to concepts of education, research and management.

The curriculum has three major components: human biology and pathology, the developmental process and interruptions to the process, and alternatives to dysfunction.

The human biology component serves as the basic structure from which the student derives knowledge and understanding of the body and its systems. The human development component serves to identify those aspects of most concern to occupational therapy and as a vehicle for analysis of the

activities in which man engages at various ages and stages of life. Concurrently, disease and dysfunction in man will be studied with the major emphasis on contemporary health problems and issues.

Laboratory, clinical and community experiences are utilized extensively throughout the curriculum to provide for active involvement of the student in his learning. Major emphases are on the social-cultural milieu of the community and examination of the development of the individual's capacities and roles in the family, school and community. The adaptation and modification of activities, design of adaptive equipment and devices, prosthetics and orthotics is included in the laboratory and clinical experiences.

A minimum of six months field experience is required. These placements begin Spring quarter of the junior year and continue throughout the senior year.

The final quarter of the senior year includes the study of newer and more advanced occupational therapy procedures and processes, principles of management, an independent study and an introduction to research design and methodology.

A Bachelor of Science degree is awarded upon successful completion of the curriculum and fulfillment of the requirements of field work. The graduate is then recommended to sit for the national certification examination leading to admission to the National Registry maintained by the American Occupational Therapy Association.

Curriculum

		Credit Hours
Junior Year		
Fall Quarter		
ANM 330.	Human Anatomy	6
PHY 330.	Human Physiology	5
OTH 300.	Occupational Therapy and the Community	4
OTH 301.	Concepts in Development	2
OTH 303.	Group Process	2
		19
Winter Quarter		
ANM 331.	Neuroanatomy	6
PHY 331.	Neurophysiology	5
OTH 310.	Pathology	3
OTH 305.	Developmental Process: Infancy through Adolescence	3
OTH 302.	Principles of Occupational Therapy I	2
		19
Spring Quarter		
OTH 332.	Kinesiology	4
OTH 307.	Developmental Process: Adulthood through Aging	5
OTH 320.	Problems in Dysfunction	2
OTH 304.	Principles of Occupational Therapy II (includes 6 weeks field work experience)	5
		16

Senior Year
Fall Quarter

OTH 400.	Principles of Occupational Therapy III	8
	or	
OTH 410.	Principles of Occupational Therapy IV	8
		8

Winter Quarter

OTH 400.	Principles of Occupational Therapy III	8
	or	
OTH 410.	Principles of Occupational Therapy IV	8
OTH 400a.	Field Work Experience	8
	or	
OTH 410a.	Field Work Experience	8
		16

Spring Quarter

OTH 400a.	Field Work Experience	8
	or	
OTH 410a.	Field Work Experience	8
OTH 420.	Special Problems	2
OTH 430.	Research Design	3
OTH 440.	Independent Study	3-5
MS 400.	Management	3
(Six weeks field work included in this quarter)		19-21

Course Descriptions

Oth 332. Kinesiology. (4 hours)
The study of Kinesiology, biomechanics, growth and development, normal gait and patterns of human motion. Classroom and laboratory experiences correlated with Oth 307.

Oth 300. Occupational Therapy and the Community. (4 hours)
An introduction to the profession of occupational therapy. A frame of reference for practice is developed through the study of history and current trends in the field. The role of occupational therapy in relation to current health and social issues is emphasized. Includes field experiences in occupational therapy and the community.

Oth 301. Concepts in Development. (2 hours)
Major concepts in human development. Emphasis is on man and his life tests, the acquisition of roles and adaptive processes.

Oth 310. Pathology. (3 hours)
An introduction to general pathology and psychopathology. Patient studies are included.

Oth 305. Human Developmental Process: Infancy through Adolescence. (3 hours)
Selected aspects of normal human development are presented through discussion of theories of development in physical, perceptual-motor, cognitive and sociocultural areas. Media and activities of childhood and adolescence are analyzed. Field activities include visits to schools and testing of individual children.

307. Developmental Process: Adulthood through Aging. (5 hours)
A continuation of human development with emphasis on early

adulthood, middle age and aging. Laboratory and field experiences focus on the analysis of homemaking, work and leisure time activities.

Oth 303. Group Process. (2 hours)
An experiential group course in which students and faculty participate in group exercises. The purpose is to present didactic material on group processes after experience in groups so that theory may be generalized from practical applications.

Oth 320. Problems in Dysfunction. (2 hours)
The study of various dysfunctions, with emphasis on common orthopedic, neurological, pediatric, general medical and surgical, and psychiatric problems. Patients are utilized as the focus of study. Correlated with Oth 302.

Oth 302. Principles of Occupational Therapy I. (2 hours)
The assessment process and program planning in occupational therapy. Various assessment procedures are studied and practiced. Program planning for patients/clients is emphasized. Field work experience in prevention and health maintenance is included. Correlated with Oth 320.

Oth 304. Principles of Occupational Therapy II. (5 hours)
A continuation of Oth 302.

Oth 400. Principles of Occupational Therapy III. (8 hours)
The evaluation and management of patients/clients with psychosocial deficits or dysfunction.

Oth 410. Principles of Occupational Therapy IV. (8 hours)
The evaluation and management of patients/clients with physical deficits or dysfunction.

Oth 400a/410a. Field Work Experience. (8 hours)
Full-time field work experience with emphasis on the evaluation and management of clients/patients with psycho-social deficits and/or dysfunction. Prerequisite: Oth 400/Oth 410.

Oth 430. Research Design and Methodology. (3 hours)
An introduction to research methodology and experimental design. Correlated with OTH 430 Independent Study.

Oth 420. Special Problems. (2 hours)
The study of contemporary health problems and issues. Students are involved in the selection and development of topics and activities.

Oth 440. Independent Study. (3-5 hours)
An individual project dealing with a special area of occupational therapy. Credits are granted on the basis of the project undertaken.

Ms 400. Management. (3 hours)
A study of the systematic approach to management and decision making.

Physical Therapy

Chairman: Bella J. May, Ed.D.

Physical Therapy is one of the allied health professions dedicated to the rehabilitation of handicapped individuals. As a member of the health care team the physical therapist utilizes a variety of therapeutic measures, including exercise, heat, electricity, etc., to help the patient regain the maximum amount of function possible within the limits of his disability.

Patients are referred to the physical therapist by physicians who guide the overall activities of the health care team. The physical therapist must be able to determine the extent of functional loss, then plan and execute an appropriate therapeutic program in close cooperation with the physician, nurse, occupational therapist, social worker and other health care professionals.

Physical therapists are employed in a variety of health care facilities such as hospitals, rehabilitation centers, convalescent homes, schools, public health facilities, and clinics; some enter private practice. In addition to direct patient evaluation and treatment they may be called upon to supervise personnel, serve as consultants for various community agencies, teach or do research.

Opportunities

Physical therapy is a rapidly expanding career field with projected needs far greater than available personnel. Salaries are commensurate with other professions requiring baccalaureate degrees; opportunities for advancement are limited only by the individual's capabilities and motivation. Increasing public demand for a greater quantity and an improved quality of health care services will continue to increase the employment opportunities. The recent addition of the physical therapy assistant in this field will free the therapist for greater involvement with varied and challenging health care positions.

Objectives

Physical therapy is an interactive process with the patient as a full partner in the program. The physical therapist must establish a cooperative relationship with each patient and his family. It is imperative for the physical therapist to have an understanding of human behavior and responses and to find the human relation process interesting and fulfilling. He must also have an interest in and an aptitude for scientific study.

Requirements for Admission

Applicants may attend any accredited college or university of his choice for the freshman and sophomore years; however, all requirements of the Medical College of Georgia must be met. Preference will be given to those applicants who have demonstrated superior ability in all academic areas. In planning his course work for the first two years the student should provide himself with a broad base of experiences to help him identify his areas of interest and competence as well as to give him a wide background to meet the varied challenges of modern society. Physical therapy is a pro-

fession which requires a knowledge of human behavior, physical and psychological, as well as a knowledge of man's history, literature, art, music, communicative skills, society past and present, economic problems, educational patterns and business methods. Prospective applicants are encouraged to contact the Department of Physical Therapy early in their academic careers to insure their completing the necessary prerequisites. Accepted students are admitted to the program at the beginning of fall quarter each year.

Specific Requirements

In addition to the general admission requirements listed by the Medical College, School of Allied Health Sciences, applicants should have:

	Quarter Hours
Humanities	20

This should include at least 2 courses in grammar, composition, or writing skills. The remainder may be in literature, art, music, foreign languages, etc., or a combination of these areas.

Social Science	15

Including but not limited to history, political science, sociology, anthropology, philosophy, etc. Prior to graduation students must satisfy the U.S. and Georgia History and Constitution requirements by examination or course work. It is recommended that this be completed prior to transfer to the College.

Psychology	10-15

In addition to general or introductory psychology, the student should try to select courses dealing with some aspect of human behavior and human growth and development.

Mathematics	5
Sciences	
Chemistry	5-10
Physics	5-10

Students must complete at least one laboratory course each in general chemistry & general physics. It is recommended that at least 2 courses be taken in each area.

Biology	15

Students must complete the equivalent of 15 hours of laboratory courses in the biological sciences. Acceptable courses include: Biology, zoology, embryology, genetics, and other laboratory courses in the biological sciences.

Electives	5-15

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the Office of Undergraduate Admissions.

Applications should be submitted between September 1 and March 15 previous to anticipated enrollment. Early application is recommended. Applicants should submit a list of current and/or planned courses and credits. A transcript should be sent at the end of each quarter as it is completed. No application fee is required.

1. Applications must be filed no later than March 15; all procedures must be completed by April 1 of the year in which one is applying for admission in September.

2. A personal interview with members of the department should be scheduled by the prospective student after application and transcripts have been filed but prior to April 1. Early scheduling of interviews is recommended.
3. Have completed at least 90 quarter hours (60 semester hours) exclusive of physical education with a minimum grade point average (on a 4.0 system) of C (2.0) overall and C (2.5) in the sciences and mathematics.

Selection of applicants who meet admission requirements begins in April of each year. Applicants will be notified of the final action on their applications by April.

Financial Aid

In addition to the sources of financial aid available to all College students there are some sources available specifically for students enrolled in a physical therapy curriculum. For information on these sources contact: Chairman, Department of Physical Therapy, Medical College of Georgia.

Special Needs

Students who are accepted into the program must be prepared to travel to facilities throughout the United States to complete the internship requirements during the senior year of study.

Some travel will also be required to facilities in Georgia and South Carolina during the junior year. Financial assistance for these additional expenses cannot be guaranteed although every effort will be made to assist students with major financial problems.

Fees and Expenses

Estimated Student Expenses Per Academic Year	First Year (12 months)	Second Year (9 months)
Matriculation Fee*	580	435
Student Health Fee	40	30
Student Activity fee	40	30
Books and Supplies	250	120
Uniforms	100	40
Field Trips	50	900
Housing**	440	330
Food	800	600
Personal, miscellaneous	600	500
Total	**2,900**	**2,985**

* Resident Matriculation fee is $145 per quarter.
Non-resident tuition (In addition to Matriculation fee) is $240 per quarter.
** These are approximate costs for those who wish to live on campus.
Note: Student Health and Activities fees are $10 each per quarter.
See General Information section for hospitalization and life insurance costs.

Curriculum

The curriculum covers the junior and senior years including the intervening summer leading to a Bachelor of Science degree with a major in physical therapy. A detailed study of normal human function, structures, and systems is followed by a study of the various pathological conditions which interfere with function and the medical, surgical and therapeutic procedures which are utilized to enable the patient to regain the maximum amount of function possible. Students are also introduced to basic research procedures, supervisory and management activities and educational systems in health care.

Classroom, laboratory, clinical and independent study experiences are provided. The clinical facilities are selected to provide a broad base of experiences in a variety of settings.

The curriculum has been approved by the Council on Medical Education of the American Medical Association and of the American Physical Therapy Association. Graduates are eligible for the licensing examination required for the practice of physical therapy.

Starting spring quarter in the junior year the curriculum is divided into a unit system rather than quarters. Therefore, student time off is scheduled between units and may differ from that scheduled for the rest of the School of Allied Health Sciences. For the better understanding of this Catalog, however, the courses have been outlined in quarters.

Junior Year

Fall Quarter		Credit Hours
Anm 330	Advanced Systemic Anatomy	6
Phy 330	Principles of Human Physiology I	5
Pth 300	Dynamics of Human Function I	7
Ahs 300A	Health Care Environment	3
Winter Quarter		
Anm 331	Neuroanatomy	6
Phy 331	Principles of Human Physiology II	5
Pth 301	Dynamics of Human Function II	7
Pth 320	Clinical Experiences I	1
Spring Quarter		
Pth 310	Concepts of Dysfunction I (Units I, II)	15
Pth 340	Interpersonal Relations I	2
Pth 321	Clinical Experiences II	2
Summer Quarter		
Pth 311	Concepts of Dysfunction II (Units III, IV, V)	15
Pth 331	Community Health	5
Pth 341	Interpersonal Relations II	2
Pth 322	Clinical Experience III	2

Senior Year

Fall Quarter		Credit Hours
Pth 410	Concepts of Dysfunction III (Units VI, VII)	14
Pth 430	Research Methodology	5
Pth 420	Clinical Experiences IV	2
Winter Quarter		
Pth 411	Concepts of Dysfunction IV (Units VIII, IX)	11
Pth 432	Designs for Administration	5
Pth 440	Independent Study	4
Pth 421	Clinical Experiences V	6
Spring Quarter		
Pth 434	Learning Processes	5
Pth 441	Independent Study	10
Pth 433	Seminar	2
Pth 422	Clinical Experiences VI	6

Course Descriptions

Pth 340. Interpersonal Communications. (Offered Spring and Summer Quarters Junior year)
The course is designed to assist the student to develop interpersonal communications skills and to serve as an introduction to the principles and techniques used in the helping process.

Pth 310, 311, 410, 411. Concepts of Dysfunction I-IV. (A continuum covering the Spring and Summer Quarters of the Junior Year and the Fall and Winter Quarters of the Senior Year)
The study of all relevant pathological, medical and therapeutic concepts related to the practice of physical therapy. Included are physical therapy techniques and procedures, evaluative processes and development of treatment programs in relation to dysfunction. Classroom and laboratory experiences spiraling from the simple to the complex are utilized to help the student develop the necessary skills in physical therapy. Experiences related to the psychological, philosophical, economic, social and vocational aspects of illness and disability are included in appropriate areas. Seminar, independent study, and other active learning techniques are utilized throughout the sequence. Concepts are cummulative and continued growth is dependent on mastery and utilization of previous knowledge.

Pth 331. Community Health. (Offered Summer Quarter, Junior Year)
The study of public and community health programs and the role of physical therapy in community medicine. Courses consist of classroom instruction and directed field experiences in various aspects of community health.

Pth 432. Designs For Administration. (Offered Winter Quarter, Senior Year)
Theories and application of administrative activities including personnel relations, budgeting, planning, organizing and operating a physical therapy department.

Pth 440, 441. Independent Study. (Offered Winter and Spring Quarters, Senior Year)
Time and credit for independent study and special experiences is given to each student during the senior year. The purpose is to provide the student with the opportunity to study some aspect of physical therapy and health care in depth. These experiences are designed by the student with guidance from appropriate members of the faculty. All students must participate in some aspect of independent study prior to graduation.

Pth 433. Seminar. (Spring Quarter, Senior Year)
A seminar to explore special problems in physical therapy and health care.

Ahs 300A. The Health Care Environment. (Fall Quarter, Junior Year)
An introductory study of the present system of health care on the local, state, national and international levels. The changing patterns of health manpower needs and the emerging trends of health care are explored. Selected patient studies are used to present the social, cultural, and economic aspects of health care delivery.

Anm 330. Human Systemic Anatomy. (4 lecture and 6 laboratory hours per week, Fall Quarter, Junior Year)
A course in gross anatomy with human dissection. The course covers all systems of the normal human except the nervous system. The course is offered for Occupational Therapy and Physical Therapy students and is integrated with Dynamics of Human Function and Human Physiology.

Phy 330. Human Systemic Physiology. (3 lecture and 3 laboratory hours per week. Fall Quarter, Junior Year)
Experiences in human systemic physiology are provided to Physical Therapy and Occupational Therapy students. Designed to provide an in depth understanding of the physiological function of all systems except the nervous system. Experiences integrated with Human Systemic Anatomy and Dynamics of Human Function I.

Anm 331. Neuroanatomy. (3 lecture and 6 laboratory hours per week, Winter Quarter, Junior Year.)
A detailed study of the human nervous system including dissection for students in Physical Therapy and Occupational Therapy. Concepts previously learned in ANM 330 and PHY 330 are utilized and expanded. Concepts are integrated with Neurophysiology and Dynamics of Human Function II.

Phy 331. Neurophysiology. (2 lecture and 4 laboratory hours per week. Winter Quarter, Junior Year)
A detailed study of the neurophysiology of the human. Concepts are closely integrated with Neuroanatomy and Dynamics of Human Function II. The course is designed to expand on concepts learned the previous quarter and is designed for Physical Therapy and Occupational Therapy students.

Pth 300, 301. Dynamics of Human Function I, II.
The study of kinesiology, biomechanics, growth and development, normal gait, and patterns of human motion. Classroom and laboratory experiences presented in the Fall and Winter quarters of the Junior year and closely integrated with anatomy and physiology.

Pth 434. Learning Processes. (Spring Quarter, Senior Year) Introduction to learning theory with application to physical therapy and special emphasis on inservice and continuing education.

Pth 430. Research Methodology. (Fall Quarter Senior Year.) Introduction to basic statistics and research designs including common theories and methods of application.

Pth 320, 321, 322, 420, 421. Clinical Experience I-V. Clinical experiences in a variety of health care facilities are provided beginning in the Winter Quarter of the Junior year and continuing through the remainder of the curriculum.

The Physician's Assistant Program

Director: John R. Palmer, M.D.

The Primary Care Physician's Assistant program at the Medical College of Georgia has been developed to meet a health care need within Georgia and the nation. Its graduates will be able to serve effectively as assistants to primary care physicians in a wide range of practices including rural or urban, solo or group, private or institutional.

The program is designed to fit within the State of Georgia's legal definition and acceptance of the Physician's Assistant.

Accreditation

The status of the Physician's Assistant has been given legal definition and acceptance in the Georgia State Code, H.B. 1591 and 1592. Preliminary approval has been granted by the American Medical Association.

Opportunities

A Physician's Assistant will be trained to assist a primary care physician who today increasingly feels mounting demands upon his professional time. The Physician's Assistant will be able to function under the supervision of the physician, and through his ability to collect a wide range of medical findings and to exercise a degree of independent judgment, relieve the physician. He will be able to perform numerous examinations and therapeutic procedures, thus enabling him to assist in the care of a significant number of patients.

Objectives

The Physician's Assistant will learn to gather data for personal and medical histories in a tactful manner; to perform basic physical examinations and some special examinations and laboratory tests; and to provide some general diagnoses, basic treatments, and emergency treatments. He will also be taught health facility management, and about personal and professional development.

Requirements For Admission

Personal and academic requirements of the Medical College of Georgia must be met by candidates seeking entry to the Physician's Assistant program.

A personal interview and appropriate documentation of experiences will be required prior to admission.

A candidate must be of excellent physical and mental health, of high moral and ethical character, and must have a strong sense of social/personal concern.

Students will be recruited from applicants who have had previous medical experience or training, from disadvantaged and minority groups, females, or residents of medically underserved areas.

Specific Requirements

Academic: High school diploma or passing General Education Development (GED) scores/Acceptable College Entrance Examination Board-Scholastic Aptitude Test (CEEB-SAT) score/Two years of college credit or its equivalent.

A. Collegiate academic requirements prior to admission to the program may be fulfilled through equivalency, but only with approval of the program director.

B. With the program director's permission, the GED equivalency test scores may be used for high school credit and acceptable scores on College Entrance Examination Board and College Level Examination Program for some or all freshman/sophomore college credits.

C. Applicants wishing to transfer college credits from an accredited institution should note that a minimum of 90 quarter hours, (exclusive of physical education), of acceptable work is needed.

D. Ex-military personnel should contact USAFI Headquarters, Madison, Wisconsin 53713 to get GED scores. For CEEB-CLEP scores, write College Level Examination Program, Box 1821, Princeton, New Jersey 08540. For CEEB-SAT scores, write Education Testing Service, Box 592, Princeton, New Jersey 08540.

E. All applicants must satisfy the U.S. and Georgia History and Constitution requirements. These may be satisfied if such course work (10 hours credit) is a part of the 90-hour requirements, or by undertaking additional course work, or by equivalency examination. It is the student's responsibility to make arrangements for the satisfaction of this requirement, prior to enrollment. Augusta College offers this work or the equivalency test may be taken at Augusta College, Augusta, Ga. 30904, (Director of the Testing Bureau).

Prior Credits Suggested for Admission

Courses

	Quarter Hours
Area I—Humanities	**20 Hours**
English (Composition)	10
Humanities	10

SUGGESTED COURSES: Anthropology, Art, Literature, Music, Philosophy, Speech, Foreign Language, Religion.

Area II—Natural Sciences	**20 Hours**
Chemistry	10
Mathematics	5
Electives	5

SUGGESTED COURSES: Biology, Physics, Anatomy, Physiology, Genetics, Zoology, Microbiology, Comparative Anatomy, Embryology.

Area III—Social Sciences **20 Hours**

SUGGESTED COURSES: American History*, Political Science*, Sociology, Psychology, Economics, History, Geography, Counseling, Growth & Development.

Area IV—Major Field **30 Hours**

SUGGESTED COURSES: Accounting, Computer Programming, Science (selected from courses not taken in Area II) Nursing (any courses offered by an accredited college or school of nursing).

At the discretion of the department, credit for Area IV may be awarded for at least 2-3 years work experience in direct patient contact in a health care environment.

* These courses must satisfy the Georgia legislative requirements. The state of Georgia requires that any student receiving a degree from any institution in the University System will have demonstrated a proficiency in United States and Georgia Constitution and History. Exemption Examinations may be taken by both in and out-of-state students; however, no credit hours are earned. Electives may be substituted for these courses if these requirements have been met by the exemption examination.

Application Procedures

Application forms for completing the admission procedures may be obtained from the Office of Undergraduate Admissions, Medical College of Georgia, Augusta, Georgia 30902. Applications for those entering the September class should be forwarded promptly and they must be completed by April 15. When notified of acceptance, the applicant is requested to accept or decline promptly the appointment in writing to the program director.

Financial Assistance

Financial aid information may be obtained by writing the Financial Aid Office, Medical College of Georgia, Augusta, Georgia 30902. Applicants seeking financial aid should obtain such information at the time of application and request such aid immediately.

Fees and Expenses

Item	(Jr. year)*	(Sr. Year)*
Matriculation Fee**	$ 580	$ 580
Student Health Fee	40	40
Student Activities Fee	40	40
Books and Supplies	294	294
Uniforms and Instruments	268	
Housing***	600	600
Food	800	800
Misc. (transportation, personal, etc.)	600	600
Total	3,222	2,954

* Each academic year consist of four quarters
** Non-resident tuition, add $240 per quarter
*** Fee based on estimated cost of college dormitory facilities. Rooms available on a quarterly basis.

Certification

The student who satisfactorily completes the Physician's Assistant program will receive a Bachelor of Science degree from the Medical College of Georgia with a Primary Care Physician's Assistants major designation.

He will also receive certification of satisfactory completion of a Physician Assistant program from an accredited institution.

Recommendation For Graduation

Recommendations for graduation are made by the faculty of the Physician's Assistants Program.

Further Information

For further information, contact:

Office of Undergraduate Admissions
Medical College of Georgia
Augusta, Georgia 30902

(160 quarter hours of credits, as shown, will be required)

SUBJECTS

Interdisciplinary Team (will participate in team concept every quarter except fourth and eighth)
Clinical Techniques and Procedures Lab
History, Philosophy and Ethics of Medicine
Medical Information Systems and Recordings
Neurological Anatomy
Gross Anatomy
Self-Protection Techniques
Medical Terminology
Laboratory Examination
Public Health
Biochemistry
Microbiology
Pharmacology
Diagnostic Specialty Techniques and Procedures
Clinical Physiology
Emergency Room (Medical-Surgical Techniques)
Specialty Techniques and Procedures (Radiology, ECG)
Introduction to Psychiatry
Preceptorship (working with a primary care physician during fourth and eighth quarter)
Family Practice
Internal Medicine
Pediatrics
Obstetrics
Neuropsychiatry
Otolaryngology
Dermatology
Administration

Electives

Cardiology
Urology
Allergy
Orthopedics
Geriatrics
Family Planning

Radiologic Technology

Chairman: C. H. Hall, M.S.R., R.T., F.R.S.H.
Medical Director: Mark D. Brown, M.D.

Radiologic Technologists are assistants to physicians who specialize in the use of x-rays and other forms of ionizing Radiation, to diagnose and treat diseases and injuries.

Objectives

The program at the College was inaugurated to produce Radiologic Technologists with the kind of educational background that will better enable them to deal with recent developments in Radiologic Technology.

Radiologic Technologists with some years of experience are encouraged to enter the program in order to improve their education, so that they may put the technical knowledge they have gained to better use.

Students entering the field for the first time will be better prepared to move on into positions of leadership and responsibility.

Accreditation

The Radiologic Technology program is approved by:
The Board of Regents of the University System of Georgia
The Council on Medical Education of the American Medical Association
The Joint Review Committee on Education in Radiologic Technology
The American College of Radiology and its Commission on Technologists Affairs
The American Registry of Radiologic Technologists

Requirements for Admission

The general requirements for admission are set-out in General Information. In addition, the nature of the work to be undertaken requires that an applicant be healthy and of good physique. The applicant must also show an understanding and sympathetic appreciation of the needs of sick patients. Preference will be given to those applicants who have demonstrated satisfactory academic ability, particularly in scientific subjects.

Fees and Expenses

	First Year (12 mos)	Second Year (12 mos)	Third Year (9 mos)	Fourth Year (9 mos)
* Matriculation fee	435	435	435	435
Student Health fee	30	30	30	30
Student Activities fee	30	30	30	30
Books and Supplies	100	50	75	75
Uniforms	100	25	25	50
Totals	695	570	595	620

* Resident Matriculation fee is $145 per quarter.
Non-resident tuition (In addition to Matriculation fee is $240 per quarter.) Additionally, estimated housing, food, and personal expenses were not included due to general individual variance. In developing a personal budget, do not fail to include these items. Information on hospitalization and life insurance is in the General Information section. Note: Student Health and Activities fees are $10 each per quarter.

Financial Aid

A number of sources of financial aid are available to students of Radiologic Technology and information regarding them is obtainable through the Medical College Financial Aid Office.

Programs

There are three major areas in which a Radiologic Technologist can be certified: Diagnostic Radiologic Technology, Nuclear Medicine Technology, and Radiation Therapy Technology. To qualify for one of the latter certifications, additional study is required.

Students enrolling in the degree programs follow a course combining scholastic studies at Augusta College and highly specialized training within the Department of Radiology at the Medical College of Georgia. The prevailing academic standards at both these institutions must be met.

All radiologic courses closely follow the recommendations set forth in the Curriculum and Teachers Syllabus for Schools of Radiologic Technology, published by the American Society of Radiologic Technologists.

While great care will be taken not to jeopardize a student's academic security, it must be realized that these are developing programs and courses may be added or deleted as necessary to improve the quality of the curriculum.

Curriculum

1. Associate of Science Degree
A twenty-four month course of study leading to an Associate of Science degree in Radiologic Technology. . . . This program is open to high school graduates, with or without previous college credits. This program prepares students to take the American Registry of Radiologic Technologists National Examination. Additional clinical hours are included throughout these two years to meet the requirements of the American Registry of Radiologic Technologists.

Basic Courses	Quarter Hours
English	10
Math	5
*History	5
*Political Science	5
Physical Science	5

*Electives may be substituted for these courses if their requirements have been met by the exemption examination on the History and Constitution of the United States and Georgia.

First Year Fall Quarter	Quarter Hours
Radiographic Anatomy & Physiology	1
Radiographic Positioning	1
Radiographic Film Critique	1
Radiographic Exposure	1
Radiographic Physics	1
Clinical Experience	5

Winter Quarter

Radiographic Anatomy & Physiology	1
Radiographic Positioning	1
Radiographic Film Critique	1
Radiographic Exposure	1
Radiographic Physics	1
Clinical Experience	5

Spring Quarter

Radiographic Anatomy & Physiology	1
Radiographic Positioning	1
Radiographic Film Critique	1
Radiographic Exposure	1
Radiographic Physics	1
Clinical Experience	5

Summer Quarter

Additional Clinical experience to meet American Registry of Radiologic Technologists requirements.

Second Year Fall Quarter	Quarter Hours
Radiographic Anatomy & Physiology	1
Radiographic Positioning	1
Radiographic Film Critique	1
Radiographic Exposure	1
Radiographic Physics	1
Clinical Experience	5

Winter Quarter

Radiographic Anatomy & Physiology	1
Radiographic Positioning	1
Radiographic Film Critique	1
Radiographic Exposure	1
Radiographic Physics	1
Clinical Experience	5

Spring Quarter

Radiographic Anatomy & Physiology	1
Radiographic Positioning	1
Radiographic Film Critique	1
Radiographic Exposure	1
Radiographic Physics	1
Clinical Experience	5

Summer Quarter

Additional Clinical experience to meet American Registry of Radiologic Technologists requirements.

2. Bachelor of Science Degree

This program is open to Radiologic Technologists with or without previous college credit. The duration of this course depends on the individual's previous college credit. A validation examination is available for Radiologic Technologists who wish to enter this program.

Junior Year	Quarter Hours
English	10
Humanities	10
Mathematics (through Trigonometry)	10
Science (Four courses from Biology, Chemistry, and Physics)	20
*History	5
*Political Science	5

Educational Psycology	5
Social Sciences (Psychology, philosophy, language, economics, business, western civilization)	15
Unrestricted Electives	10
	90

*Electives may be substituted for these courses if their requirements have been met by the exemption exam on the History and Constitution of the United States and Georgia.

Senior Year	Quarter Hours
Rad 404, 414, 424	6
Rad 405, 415, 425	6
Rad 406, 416, 426	15
Rad 407, 417, 427	3
Rad 408	5
Rad 418	5
Rad 428	6
Anatomy 320, 321	10
	56
Validation Examination	45
Total Quarter Hours	191

3. Nuclear Medicine

The twelve month curriculum in Nuclear Medicine Technology is open to Registered Radiologic Technologists, Registered Nurses, Registered Medical Technologists, or suitably prepared persons with Bachelor degrees. This is a program for the technician who performs a minimum of radiochemical laboratory work and prepares the student to meet the American Registry of Radiologic Technologists registry requirements for certification in Nuclear Medicine Technology.

Courses	Quarter Hours
Fall Quarter	
Physics of Nuclear Medicine	5
Introduction to Nuclear Medicine	2
Nuclear Medicine Technology	3
Clinical Nuclear Medicine	5
Winter Quarter	
Physics of Nuclear Medicine	5
Nuclear Medicine Technology	5
Clinical Nuclear Medicine	5
Spring Quarter	
Physics of Nuclear Medicine	5
Fundamentals of Medical Science	5
Clinical Nuclear Medicine	5
Summer Quarter	
Clinical Nuclear Medicine	5

4. Radiation Therapy Technology

This additional twelve month program is open to Radiologic Technologists, Registered Nurses or Nuclear Medicine Technologists. This program prepares students to take the American Registry of Radiologic Technologists National Examination.

Courses	Didactic instruction in hours per year
Physics	30
Mathematics	25
Elementary Pathology	20
Radiobiology	12
Anatomy and Physiology	15
Nursing Procedures	10
Radium Therapy	20
Protection & Shielding	20
Ethics	10
Clinical Laboratory	1658
Total	1820

Course Descriptions

(Lecture-Lab-Credit)

Rad 101, 111, 121, 201, 211, 221. Radiographic Anatomy & Physiology (1-0.5-1 hours)
To give the student a basic knowledge of various systems, structures, and organs of the body and their functions.

Rad 102, 112, 122, 202, 212, 222. Radiographic Positioning (1-0.5-1 hours)
To provide instruction in the radiographic positioning of the structures and organs of the body.

Rad 103, 113, 123, 203, 213, 223. Radiographic Film Critique (1-0.5-1 hours)
A critical evaluation of the technical aspects of the finished radiograph. This includes positioning, film identification, processing errors and radiographic quality.

Rad 104, 114, 124, 204, 214, 224. Radiographic Exposure (1-0.5-1 hours)
To give the student a thorough understanding of the theory of x-ray technique and to correlate this knowledge with practical application based on sound principles and practices.

Rad 105, 115, 125, 205, 215, 225. Radiographic Physics (1-0.5-1 hours)
To teach the fundamentals of electrical and radiation physics and the basic principles.

Rad 106, 116, 126, 206, 216, 226. Radiographic Clinical Experience (0-20-5 hours)
Experience in the Radiology Department including the observation and practice in the art of radiographic positioning and exposure.

Rad 404, 414, 424. Advanced Radiographic Technical Procedures (2-0-2 hours)
To provide a more advanced understanding of radiologic technology and how to apply this knowledge in everyday situations which arise in radiology departments.

Rad 405, 415, 425. Advanced Radiologic Physics (2-0-2 hours)
These courses cover radiation physics, radiation therapy, dosimetry and radiation protection.

Rad 406, 416, 426. Radiologic Technology (0-20-5 hours)
A continuing study of radiographic techniques at a high level, but with an opportunity to specialize for a quarter each in one of the following: (at the discretion of the advisor)

a. Departmental Management
b. Diagnostic Procedures
c. Hemodynamics
d. Nuclear Medicine
e. Radiation Health Physics and Protection
f. Radiation Therapy
g. Special Procedures
h. Teaching

Rad 407, 417, 427. Radiology Accounting and Management (1-0-1 hours)
To provide a basic knowledge in Accounting and Management and its application in a Radiology department.

Rad 408. Radiologic Sensitometry Laboratory (3-2-5 hours)
Lectures & lab experiments & written reports on film latitude, speed, gamma. The validity of the reciprocity law and the resolving power of exposure time with screens are demonstrated by student experiments.

Rad 418. Nuclear Medicine Laboratory (3-2-5 hours)
Lecture and lab experiments using

geiger counters, gamma spectrometers and other detecting equipment to illustrate the use of radioactive isotopes in nuclear medicine and their relationship to clinical medicine and diagnostic techniques.

Rad 428. Radiation Therapy (3-2-5 hours)
Lecture and laboratory experiments on various aspects of radiation therapy including treatment planning, equipment calibration techniques, and the application of computers as related to radiotherapy.

Nmt 311. Introduction to Nuclear Medicine (2-0-2 hours)
Types of procedures, methods of record keeping, ordering, storing and disposal of radionuclides are presented. Departmental organization and business management are discussed. Routine and emergency handling of patients receives special consideration.

Nmt 321. Nuclear Medicine Technology (2-2-5 hours)
Routine procedures in clinical nuclear medicine imaging are presented in lecture demonstrations. Special emphasis is given to positioning for gamma camera and dual probe rectilinear studies. Technique for preparation and the intravenous injection of calibrated dose quantities is an essential element of this course.

Nmt 312. Nuclear Medicine Technology (4-2-5 hours)
Routine procedures of the radiochemical laboratory, particularly in vitro studies and preparation of pharmaceuticals are presented in lecture and student lab.

Nmt 301, 302, 303, 304. Clinical Nuclear Medicine (0-20-5 hours)
These courses represent credit given for required practical experience in the nuclear medicine departments of the associated teaching hospitals. In these institutions qualified technologists instruct the student in the routine imaging and radiochemical laboratory.
The student's performance will be judged by his ability to work with patients, assume responsibility, perform quality procedures and cooperate with others. Satisfactory performance must be demonstrated in the clinical environment for completion of the overall program.

Phys 301. Physics of Nuclear Medicine (5-0-5 hours)
An introductory course which covers basic physics with special emphasis on the fundamental concepts of nuclear physics.

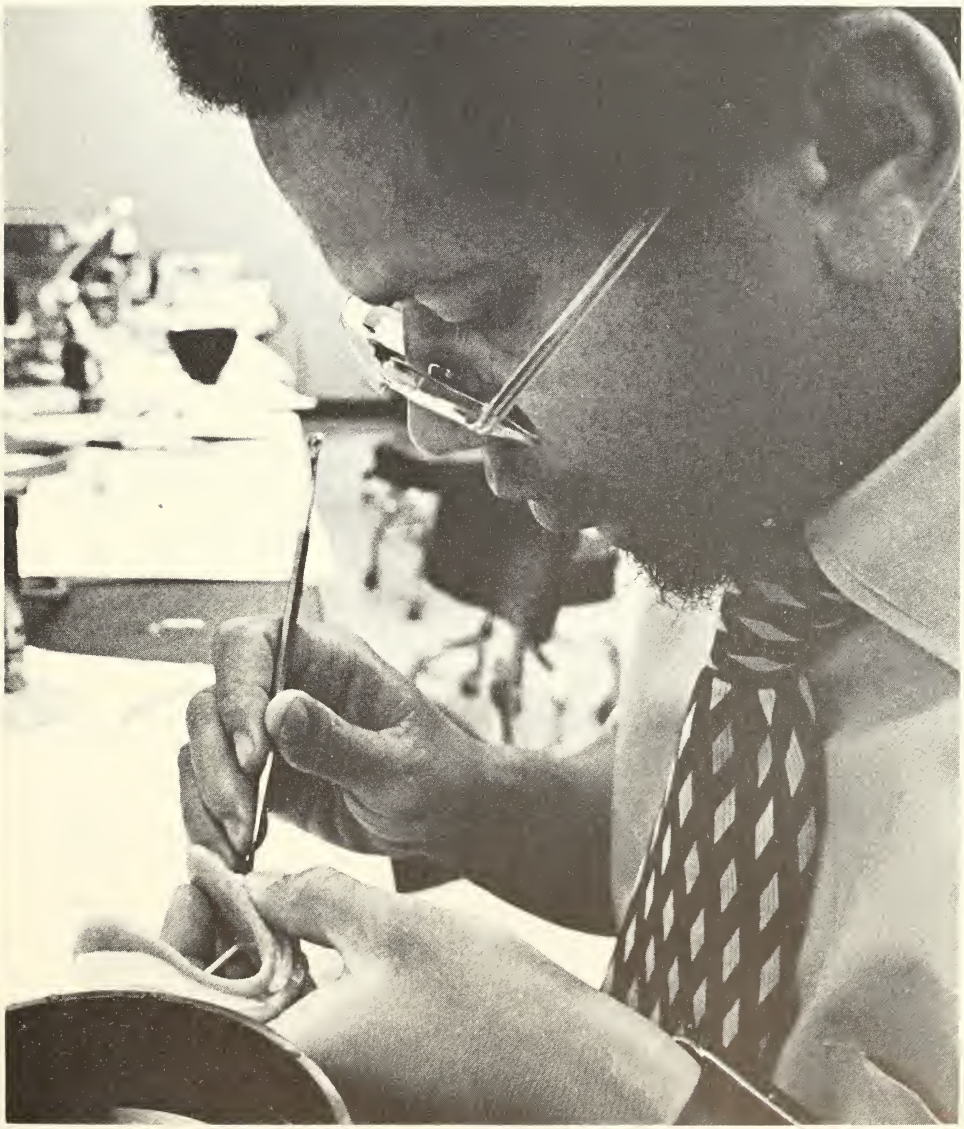
Phys 302. Physics of Nuclear Medicine (3-4-5 hours)
This course is designed to give the student a general knowledge of the instrumentation used in the detection of ionizing radiation. Lectures and labs will include practical use of Geiger counters, ionization chambers, multichannel analysers, rectilinear scanners, solid state detector assemblies and gamma cameras.

Phys 303. Physics of Nuclear Medicine (5-0-5 hours)
Included in this course are the basic concepts of radiation biology, the effects of radiation on our environment, the state and federal radiation safety rules and regulations and the use of therapeutic radionuclides.

Requirements for Graduation

The General Information section contains requirements for graduation. The faculty of the Department of Radiologic Technology also makes recommendations for graduation based upon a student's ability to develop those qualities considered essential for the profession.

The School of Dentistry



School of Dentistry Calendar 1974-75

Fall Quarter, 1974

September 4	Registration for first year students
September 9-27	Orientation for first year students
September 30	Classes begin for students
September 30	Registration for other students
November 28-29	Thanksgiving Holidays
November 5	Election Day
December 13	Classes end—Christmas Holidays begin

Winter Quarter, 1975

January 2	Classes begin for students
March 14	Classes end

Spring Quarter, 1975

March 17	Classes begin for students
April 7-11	Spring recess
June 6	Classes end

ENRICHMENT

June 9-27	
June 30-July 25	Summer recess

Summer Quarter, 1975

July 28	Classes begin for sutdents
September 1	Labor Day
September 19	Classes end for students
September 20	Graduation

School of Dentistry

Dean: Judson C. Hickey, D.D.S., M.Sc.

Associate Deans:

David E. Beaudreau, D.D.S., M.S.D.

George W. Burnett, D.D.S., Ph.D.

Thomas J. Zwemer, D.D.S., M.S.D.

Philosophy

Dentistry is one of the senior health professions, bonded to other health care professions by common goals and objectives. The dentist, the physician, and the health scientist share in contributing to the total health of the individual and his community.

The dentist, in this concept, must have specific knowledge of and skills in the diagnosis, prevention, and treatment of diseases associated with the oral cavity, as well as a biological understanding of oral health and disease in terms of total health and disease. Furthermore, he must be able to correlate both areas of knowledge to fulfill his role and effectively communicate with colleagues in all health professions.

An understanding of the scientific method is necessary for the dentist to evaluate proposed methods of diagnosis, prevention, and treatment and to aid in the development of new, sound and effective methods. Finally, he must have a sense of obligation to serve individual and community needs.

With these concepts representing its philosophy, the purpose of the College's School of Dentistry is to educate students to accept and to discharge competently the responsibilities of preserving individual and community health.

Objectives

The School of Dentistry has set before it the objectives of teaching, research, and service that are common to all institutions of higher learning. In specific relation to the School of Dentistry they may be stated as:

1. To educate dentists and the broad spectrum of allied personnel required to provide for the present and future oral health needs of the total community.
2. To foster and conduct active research programs in basic and applied areas of dentistry as well as supporting experimentation and innovations in the art and science of dental education.
3. To provide preventive, diagnostic, and therapeutic dental services to citizens of the State of Georgia in cooperation with other health and educational related organizations, and in accordance with the available physical facilities and teaching faculty of the School of Dentistry.

Fees and Expenses

Estimated Student Expenses Per Academic Year

	First Year (12 months)	Second Year (12 months)	Third Year (12 months)
Matriculation fee*	$1200	$1200	$1200
Student Health fee**	40	40	40
Student Activity Fee***	40	40	40
Books	300	160	50
Instruments	2300	267	165
Uniforms	20	20	20
TOTALS	**$3900**	**$1727**	**$1515**

(All fees are subject to change)

*Non-Resident Tuition (in addition to matriculation fee) is $300 per quarter.
**Student Health fee is $10 per quarter.
***Student Activity fee is $10 per quarter.

Proficient students who qualify for graduation after nine months of their third year should project third year expenses to be $1200 instead of $1515, for the full twelve-month period.

Additionally, estimated housing, food, and personal expenses were not included due to general individual variance. In developing a personal budget, do not fail to include these items. Information on hospitalization and life insurance is in the General Information section.

Admission Requirements

1) American Dental Association Admissions Test (given in October, January and April)
2) Personal Interview by invitation
3) Two years of college is a minimum, including completion of ten quarter hours (six semester hours) of the following college courses:

   Inorganic Chemistry with lab
   Organic Chemistry with lab
   Biology (or Zoology) with lab
   Physics with lab
   English

Great emphasis will be placed on academic performance during selection procedure. Majors in social sciences, psychology, and humanities will be given equal consideration with those in biology and physical sciences.

Application Procedure

Admission to the School of Dentistry is on a competitive basis. The Admissions Committee selects the applicants who seem best qualified for the study of dentistry from among those who apply. Application forms will be available July 1 in the Office of Student Affairs. Early application is encouraged.

Financial Aid

The Office of Financial Aid has prepared a Bulletin outlining its financial aid program, as well as other programs of assistance not directly administered by the College. This

may be obtained along with application materials by writing:

Office of Financial Aid
Medical College of Georgia
Augusta, Georgia 30902

Applications for aid are separate from admissions applications, i.e. one need not be officially accepted for admission before applying for assistance. Application materials should be submitted by May 1 prior to enrollment, although later applications will be processed on a "late" basis.

Curriculum

Design and Emphasis

The pre-doctoral curriculum offered by the Medical College of Georgia School of Dentistry will require twelve academic quarters in three calendar years and will lead to the D.M.D. degree. Exceptional students may be graduated in eleven quarters to allow for summer enrollment in post-graduate programs and internships. The curriculum will initially emphasize the basic sciences with an expanding emphasis upon the clinical sciences. Courses in the fundamental principles within each basic science discipline, coupled with early clinical exposure, will enable the student to make a lasting correlation of the basic and clinical sciences. The student's knowledge and familiarity with the basic sciences will be reinforced with applied courses in each discipline. This early and continuing correlation is designed to educate the student to respect biological systems and to develop a basic understanding of the response of tissue to stimuli.

The expanding health needs of society will be interrelated throughout the curriculum. Courses relating to principles of public health dentistry, epidemiology of caries and periodontal disease, statistical methods, behavioral aspects of patient populations, dental ethics, and jurisprudence will be a meaningful part of the curriculum. Practical field experiences will be arranged for dental students in epidemiologic, preventive, and other appropriate community activities. Preventive dentistry will be the over-riding theme of all clinical disciplines.

Individual Student Development

Each student will have opportunities for development and expression in specific areas of his interest and ability. Three weeks will be set aside each year in which elective courses and other structured situations will be available to students interested in academic pursuits. Students will be encouraged to contribute to the field of research and education. Those students demonstrating superior clinical ability and interest will be challenged with more complex technical and clinical problems. The student with motivation in the social aspects of the profession will be further challenged in preventive and community dentistry projects.

The Student and the Health Team

The use of auxiliary personnel will be stressed as a realistic method of preparing the student for the efficient practice of dentistry. The clinical design will simulate a group practice environment with dental assistants, hygienists, and technicians playing an active role in comprehensive patient care. The close academic and physical relationship with the School of

Medicine and the teaching hospital will provide an awareness of associated medical sciences and hospital orientation throughout all three years. This emphasis is desirable in preparing the student not only for contemporary practice, but for the future evolution of the profession.

The Student and Research

The dental student will have opportunity to participate in faculty research projects in both basic and clinical areas. He will be encouraged to design and carry out projects of his own as well. The student also will be encouraged to participate in graduate, post graduate, and continuing education courses offered at the College and other dental schools within the United States as a part of the elective program.

Methods of Instruction

The curriculum of the School of Dentistry will be structured around a learning-oriented environment rather than the traditional teaching-oriented situation. Seminars and conferences, taking precedence over the lecture as a vehicle to stimulate independent thought, will give opportunity for expression and interchange upon the part of each student. Self-instructional materials will be used whenever possible to individualize instruction and preparation.

Pre Session—Three Weeks

Community Dentistry	72 Hours
Oral Medicine	18 Hours
Occlusion	18 Hours
Total Contact Hours =	108

First Quarter—Eleven Weeks

Occlusion	50 Hours
Restorative	84 Hours
Oral Medicine	44 Hours
Periodontics	21 Hours
Human Biology	118 Hours
Student Conference	31 Hours
Dental Materials	28 Hours
Holiday (Unstructured—44 Hours)	16 Hours
Bioclinical Seminar	2 Hours
Total Contact Hours =	394

Vacation—Two Weeks

Second Quarter—Eleven Weeks

Occlusion	75 Hours
Restorative	108 Hours
Periodontics	29 Hours
Oral Medicine	26 Hours
Human Biology	118 Hours
Continuing Education	8 Hours
Radiology	3 Hours
Student Conference	20 Hours
Holiday (Unstructured—40 Hours)	16 Hours
Bioclinical Seminar	2 Hours
Total Contact Hours =	405

Vacation—One Week
Third Quarter—Eleven Weeks

Restorative	112 Hours
Occlusion	20 Hours
Periodontics	14 Hours
Pain Control	24 Hours
Radiology	11 Hours
Human Biology	156 Hours
Treatment Planning	11 Hours
Clinical Practice	44 Hours
Student Conference (Unstructured—44 Hours)	4 Hours
Bioclinical Seminar	2 Hours
Total Contact Hours =	398

Vacation—Three Or Four Weeks
Fourth Quarter—Eleven Weeks

Occlusion	16 Hours
Clinic	28 Hours
Enrichment	120 Hours
Human Biology	92 Hours
Endodontics	48 Hours
Orthodontics	30 Hours
Treatment Planning	8 Hours
Fixed Prosthodontics	72 Hours
Holiday (Unstructured—18 Hours)	8 Hours
Bioclinical Seminar	2 Hours
Total Contact Hours =	424

Vacation—One Week
Fifth Quarter—Eleven Weeks

Fixed Prosthodontics	72 Hours
Pathology	52 Hours
Open Clinic	40 Hours
Oral Medicine	10 Hours
Occlusion	56 Hours
Periodontics	15 Hours
Human Biology	48 Hours
Pedodontics	65 Hours
Community Dentistry (Unstructured—30 Hours)	36 Hours
Bioclinical Seminar	2 Hours
Total Contact Hours =	396

Vacation—One Or Two Weeks
Sixth Quarter—Ten Weeks

Removable Partial Dentures	116 Hours
Open Clinic	80 Hours
Occlusion	20 Hours
Pathology	38 Hours
Periodontics	12 Hours
Human Biology	66 Hours
Continuing Education	8 Hours
Oral Medicine	9 Hours
Oral Surgery	26 Hours

Sedation II	16 Hours
Complete Denture	12 Hours
Student Conference	7 Hours
Holiday	16 Hours
(Unstructured—14 Hours)	
Bioclinical Seminar	2 Hours
Total Contact Hours =	428

Community Dentistry Week—36 Hours
Vacation—One Week
Seventh Quarter—Eleven Weeks

Complete Dentures	132 Hours
Open Clinic	163 Hours
Fixed Prosthodontics	44 Hours
Pathology	33 Hours
Occlusion	22 Hours
Human Biology	33 Hours
Patient Management and Sedation	11 Hours
Bioclinical Seminar	2 Hours
Total Contact Hours =	440

Vacation—Four Weeks
Eighth Quarter—Eleven Weeks

Treatment Planning	8 Hours
Pathology	45 Hours
Team	30 Hours
Clinic	111 Hours
Enrichment	120 Hours
Human Biology	64 Hours
Practitioner Orientation	25 Hours
Occlusion	16 Hours
Holiday	8 Hours
(Unstructured—13 Hours)	
Total Contact Hours =	427

Vacation—One Week
Ninth Quarter—Ten Weeks

Open Clinic	174 Hours
Prosthodontics	55 Hours
Oral Surgery	26 Hours
Oral Biology	59 Hours
Oral Medicine—Internal Medicine	40 Hours
Endodontics	10 Hours
Occlusion	20 Hours
Practitioner Orientation	22 Hours
Student Conference	2 Hours
National Boards	8 Hours
Continuing Education	8 Hours
Holiday	16 Hours
Total Contact Hours =	440

Community Dentistry Week—36 Hours
Vacation—Two Weeks
Tenth Quarter—Eleven Weeks

Open Clinic	256 Hours
Oral Surgery	11 Hours
Patient Management	20 Hours
Special Hospital Clinics	44 Hours
Oral Biology	53 Hours
Periodontics	20 Hours
Treatment Planning	10 Hours
Pathology	21 Hours
Clinical Seminar (Unstructured—10 Hours)	6 Hours
Orthodontics	15 Hours
Holiday	16 Hours
Total Contact Hours =	472

Vacation—One Week
Eleventh Quarter—Eleven Weeks

Open Clinic	215 Hours
Community Dentistry	36 Hours
Oral Medicine	9 Hours
Patient Management	20 Hours
Oral Biology	56 Hours
Clinical Seminars	29 Hours
Oncology	16 Hours
Mock Boards	24 Hours
Student Conference	10 Hours
Total Contact Hours =	411

Vacation—Four Weeks
Twelfth Quarter—Eleven Weeks

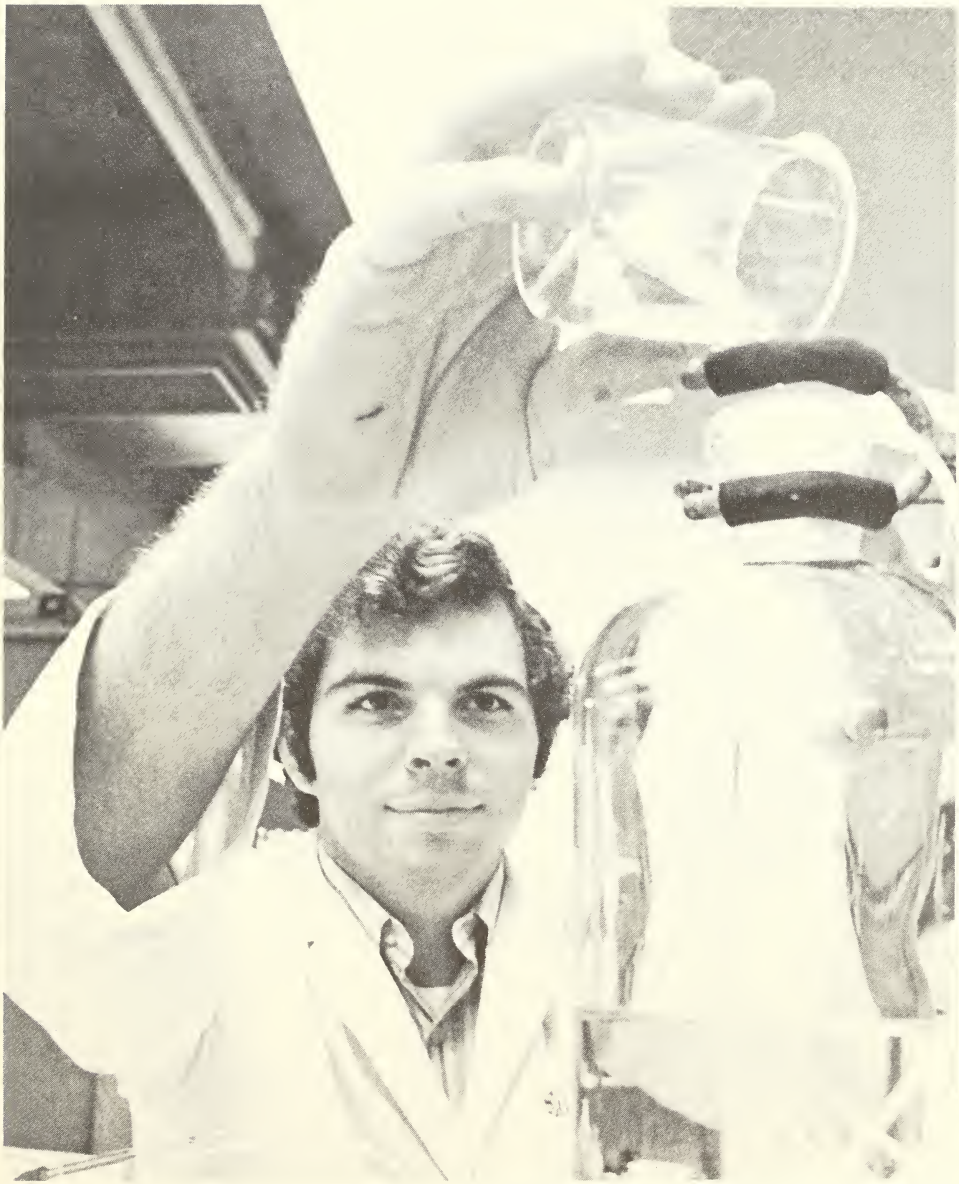
Clinic	410 Hours
Occlusion	20 Hours
Oral Medicine	10 Hours
Total Contact Hours =	440

Student Evaluation And Graduation

Student academic and clinical performance is regularly evaluated by the Course Director for each individual course offered by the School of Dentistry. In addition, the overall academic progress of each student is regularly reviewed by a faculty committee. This committee recommends all student promotions, individual curriculum adjustments, remedial action where an unsatisfactory grade is given, and graduation.

Satisfactory completion of the curriculum, the demonstration of clinical competence, and the recommendation of the School of Dentistry's Administrative Council are required for graduation.

The School
of
Graduate
Studies



School Of Graduate Studies Calendar 1974-75

Fall Quarter 1974 (14 weeks)

August 9	Last day to file applications for new admission
September 5	Advisement and pre-registration
September 6	Registration
September 6	Orientation by Dean of Graduate Studies, 2 P.M.
September 6	Graduate Student Association Meeting, 3 P.M.
September 9	Classes begin
September 13	Last day for late registration and class changes
September 21	Fall Graduation
October 21-25	Advisement and pre-registration for Winter Quarter
October 25	Midterm—Last day to drop a course without penalty
November 28—December 1	Thanksgiving Recess
December 6	Last day of classes
December 9-13	Examinations
December 13	Term ends

Winter Quarter 1975 (10 weeks)

December 6	Last day to file applications for new admissions
January 2	Registration
January 2	Classes begin
January 6	Last day for late registration and class changes
February 3-7	Advisement and pre-registration for Spring Quarter
February 7	Midterm—Last day to drop a course without penalty
March 7	Last day of classes
March 10-14	Examinations
March 14	Term ends

Spring Quarter 1975 (10 weeks)

February 21	Last day to file applications for new admissions
March 17	Registration
March 17	Classes begin
March 21	Last day for late registration and class changes

April 5-April 13	Spring Vacation
April 25	Midterm—Last day to drop a course without penalty
April 25	Dissertations/Thesis Approval Form Due in School Office
April 28-May 2	Advisement and pre-registration for Summer Quarter
May 23	Last day of classes
May 26-30	Examinations
May 30	Term ends
June 7	Graduation

Summer Quarter 1975 (12 weeks)

May 16	Last day to file applications for new admission
June 11	Registration
June 12	Classes begin
June 17	Last day for late registration and class changes
July 4	Independence Day Holiday
July 17	Midterm—Last day to drop a course without penalty
July 14-18	Advisement and pre-registration for Fall Quarter
August 21	Last day of classes
August 22-23, 25-27	Examinations
August 27	Term ends

School of Graduate Studies

Dean: Sam A. Singal, Ph.D.

The School of Graduate Studies is the administrative unit dealing with graduate study. The graduate program is administered by the Dean of the School of Graduate Studies. The office of the School of Graduate Studies is located in Room 2-E4, Sanders Research and Education Building. Correspondence or inquiries should be sent to: School of Graduate Studies, Medical College of Georgia, Augusta, Georgia 30902.

Council: The Graduate Council is composed of faculty members appointed by the Dean to represent each of the fields participating in the graduate program. The Council advises the Dean in formulating policies and regulations which govern graduate work.

Faculty: The members of the graduate faculty are indicated by an asterisk preceding their names in the General Faculty list in the back of the Catalog.

Graduate Student Association: This organization has been formed to represent the will of the graduate students within the framework of the School and the Medical College of Georgia. All graduate students are urged to participate.

Objectives

The primary goals of the School of Graduate Studies are to help provide excellence of education on the graduate level in human biology for those interested in careers in health science professions; to supply leadership in basic research in areas of human biology so as to provide a firm foundation for the conquest of disease; and to provide academicians to man health science professional schools.

It offers the superior student an opportunity to realize the full extent of his capabilities and to gain the intimate acquaintanceship with the fundamental concepts of his field that will enable him to achieve the highest degree of competence in his chosen discipline.

Degrees

The College is authorized by the Board of Regents of the University System of Georgia to grant advanced degrees through its School of Graduate Studies.

Since graduate study is a full time endeavor in a program that is expensive in terms of faculty and other crucial resources, primary consideration will be given to those applicants having as their career objectives the completion of a course of study leading to the Doctor of Philosophy degree or a professional Master's degree at the College.

Doctor of Philosophy

This advanced degree is not conferred solely as a result of a prescribed period of study nor will it be conferred upon the completion of any definite amount of work described in advance. Rather, it will be conferred in recognition of proficiency in research, breadth and soundness of scholarship, and thoroughness of acquaintance with a specific field of knowledge as determined by the faculty. Evidence of such attainment must be provided through the passing of such written and oral examinations as may be required and through the presentation of an acceptable

dissertation based upon independent research. This degree will be conferred on candidates who have met the requirements in the fields of Anatomy, Biochemistry, Endocrinology, Microbiology, Pharmacology or Physiology.

Doctor of Philosophy-Doctor of Medicine

This program offers the unusual candidate an opportunity to obtain both degrees with research work being performed in the Basic Sciences. The requirements are similar to those described above.

Master of Science

This advanced general degree is a research degree and will be conferred on candidates who have met requirements in the fields of Anatomy, Biochemistry, Endocrinology, Microbiology, Pharmacology, and Physiology.

Master of Science-Doctor of Medicine

This program offers the unusual candidate an opportunity to obtain both degrees with research work being performed in the Basic Sciences.

Master of Science in Oral Biology

This advanced degree is a research degree and will be conferred on candidates who have met the requirements in the field of Oral Biology.

Master of Science in Medical Illustration

This advanced professional degree will be conferred on candidates who have met requirements in the field of Medical Illustration.

Requirements for Admission

The following are required of each applicant for admission to the School of Graduate Studies.

The Doctor of Philosophy and Master of Science degree programs

1. A bachelor's degree or equivalent from an accredited college or university.
2. Adequate preparation in the field of proposed graduate study, as determined by the faculty in that field. (See individual department).
3. Satisfactory scores on the Aptitude Test and the Advanced Test of the Graduate Record Examination. (The Medical College Aptitude Test (MCAT), or its Dental School Equivalent may substitute for the GRE).
4. A satisfactory physical examination.

Combined Doctor of Philosophy-Doctor of Medicine Master of Science-Doctor of Medicine and degrees programs

Applicant must be enrolled in the School of Medicine and should be in the process of completing, in good standing, his first or second year of the medical curriculum. He will require two letters of recommendation from the faculty of the School of Medicine. In addition, a written communication should be received from the applicant's draft board indicating that his enrollment in the M.S.-M.D. or Ph.D.-M.D. programs will not jeopardize his draft status as a medical student.

The requirements for the combined degree programs are not substantially different from those of the individual degree programs.

Master of Science in Oral Biology degree program

1. A DMD or DDS degree or equivalent from a recognized School of Dentistry or its equivalent.
2. Adequate preparation in the field of proposed graduate study, as determined by the faculty of Oral Biology.
3. Satisfactory scores on the Aptitude Test and the Advanced Test of the Graduate Record Examination.
4. A satisfactory physical examination.

The Master of Science in Medical Illustration degree program

1. A bachelor's degree from an accredited college or university as set forth in 2 below.
2. Required preparation as follows: 40 quarter hours of studio art subjects and 30 quarter hours in biological sciences.
3. A satisfactory physical examination.
4. A portfolio of art subjects in the various mediums of the artist which demonstrate proficiency in all areas of art.
5. A personal interview for those satisfactorily fulfilling the above requirements.

Admission of Foreign Students

Graduates of foreign colleges and universities who meet the standards of admission as those described above may be considered for admission. Those interested should identify the country of citizenship and the desired field of study in an initial communication. In addition to the other entrance materials, the applicant must submit the result of the Test of English as a Foreign Language. Arrangements for this examination can be made by requesting information concerning examination and locations of examinations from the Educational Testing Service, Princeton, New Jersey 08540. Foreign applicants must start the process of securing admission at least six months before the beginning of the desired time of acceptance.

Application Procedures

Send (or direct) all application materials (application form, application supplement, transcripts, physical examination report and GRE scores) and requests for financial aid to the Dean, School of Graduate Studies. A complete application consists of the following four items.

1. Complete Application Form and Application Supplement Form for those Seeking Admission to the School of Graduate Studies.

Make certain that in the References Section you give the names and complete addresses of three professors qualified to assess your potential as a graduate student in the field you have selected. In addition, if you have already undertaken some graduate study, also give the name(s), title(s) and complete address(es) of the head(s) of the department(s) where you have been or are a graduate student. The School of Graduate Studies office will send Reference

Report forms directly to the persons you designate. Make certain you include your Social Security number in the space provided (foreign nationals exempted) and that you complete both forms. Submission of a photograph is optional with the applicant.

2. Transcripts

Official transcripts of all previous and current college, graduate or professional studies must be received before applications are considered. Transcripts must be received directly from schools attended.

3. Physical Examination Report

Request the examining physician to make his report on the form supplied. Physical examination reports must be received directly from the physician making the examination.

4. Graduate Record Examination (GRE) Scores

The Aptitude Test and Advanced Test (either chemistry or biology) scores are required of all applicants except applicants to the Master's program in Medical Illustration. Applicants should take the GRE in their senior undergraduate year as early as possible, preferably at one of the Fall administrations rather than Winter or Spring administrations. The Medical College Aptitude Test (MCAT) or the Dental Admissions Test (DAT) may substitute for the GRE. The GRE scores (or MCAT or DAT) should be forwarded to the Dean, School of Graduate Studies.

Final selection of students for admission is subject to the discretion of the Dean of the School of Graduate Studies. Letters of acceptance will be sent by the Dean.

Registration

The academic program of the student is planned in consultation with the student's major advisor or with the student's major department chairman before selection of a major advisor. All students then begin registration at the School of Graduate Studies office before completion of registration at the Registration Center. Changes in registration are recognized and valid only if they have been made with the consent of the major advisor, the Dean, and the Registrar.

An applicant's registration and class attendance constitute an agreement on the part of the applicant to comply with the rules and regulations of the College as published in the Catalog and other official publications of the College during the student's continued enrollment.

A student's continued enrollment in the School of Graduate Studies is subject to the decision by the Dean and other designated officers that academic grades and progress are satisfactory, that rules of the College are being complied with, and that the best interest of the school and of other students are being served.

Auditors may take graduate courses, but no academic credit is allowed. Auditors pay usual tuition and laboratory fees.

Fees and Expenses

Please see General Information section on Fees and Expenses, and

for additional information on deposits, housing, insurance, fees and other costs.

Fees for graduate students enrolled for 12 quarter hours or more:

Matriculation Fee—**$145 per quarter.**

Non-Resident Fee (in addition to Matriculation Fee)—**$240 per quarter.** See General Information on State Residence Policy.

Fees for graduate students enrolled for less than 12 quarter hours:

Matriculation Fee—**$12 per quarter hour.**

Non-Resident Fee (in addition to Matriculation Fee) for students enrolled less than 12 quarter hours—**$20 per quarter hour.**

Scholastic Regulations

Classifications of Graduate Students

Students may be admitted to the School of Graduate Studies under either of the following classifications:

1. Regular Graduate Student. A student who is admitted to the School of Graduate Studies, and who wishes to earn an advanced degree. Such a student, however, is not specifically considered either a Doctoral or Master's student until he or she has met the requirements for candidacy for a particular degree. (See degree requirements below).
2. Special Graduate Student. A student who is admitted to the School of Graduate Studies and who does not wish to earn an advanced degree, or who is admitted conditionally and who may later be re-classified as a Regular Graduate Student upon satisfaction of such conditions as may be specified. Transfer from this category to "Regular Graduate Student" status is not automatic.

Examinations

Re-examinations in the first (comprehensive), second, or final oral examination may be allowed if recommended by the examining committee and if the Dean concurs.

Grades

All credit is expressed in quarter hours. An academic year is composed of three quarters. A student must maintain an average of 3 or better (or Cr on 900 courses) in his chosen discipline. Only those other courses for which a grade of 2 or better is received may be credited toward satisfaction of any degree requirement. Students who receive the grade "Incomplete" will have one quarter in which to complete the work for the course and remove this grade or it will be changed to "0" automatically at the end of the first quarter following receipt of the "In". Students needing more than one quarter to remove the Incomplete must have written permission of the instructor with the concurrence of the Dean to present to the Registrar. Continuation of study in good standing in the School of Graduate Studies is contingent on the maintenance of a minimum cumulative weighted quality point average of 2.8 in the 600, 700, 800 courses. A student whose quality point average falls short of 2.8 will be automatically placed on academic probation in which case the student must maintain a weighted quality point average greater than 3.0 on 600, 700, and 800 courses for two consecutive quarters, in order to remove the probation. A graduate student will not be eligible for graduation unless his official College transcript shows that he has an overall

weighted quality point average of 2.8 on all the 600, 700, and 800 (graduate) courses that he has taken at this institution.

When a graduate student repeats a course, the last grade will be utilized to calculate the cumulative average that is used for probation, dismissal and graduation. The Graduate School discourages the retaking of courses to improve grades. Courses may be retaken only after approval of a petition to the Dean. Permission of the course instructor and department chairman is required before submission of the petition.

Grading System for the School of Graduate Studies

Grade	Description	Quality Points
For 600, 700 and 800 courses		
4	Passing, work of very good or excellent quality.	4
3	Passing, work of good quality, commendable, but not outstanding.	3
2	Passing, work of acceptable but not commendable quality. A majority of the student's grades must be above 2.	2
0	Failing, work of unsatisfactory quality.	0
For 900 courses		
Cr	Credit for participation in seminar (901-2-3) or credit for conduct of research (921 or 930)	Not computed
In	Incomplete	Not computed
Ncr	Performance in seminars or research of such quality that no credit is given.	Not computed
W	Withdrawn	Not computed

Acceptance of Graduate Credit by Transfer

Transfer of graduate credit is never automatic; any credits transferred do not reduce the residence requirement for any advanced degree.

In the case of a prospective Ph.D. candidate entering the School of Graduate Studies with a Master's degree from another institution, the candidate shall pass an examination on his major subject and thesis during the first quarter of residence if credit for any pertinent portion of the Master's coursework (30 quarter hours maximum usually allowed) is to be applied to the Ph.D. The transfer of any course work beyond the Master's level is a matter for negotiation between the student, his Advisory Committee, his major department and the Dean. In general, no more than 60 quarter hours may be transferred toward the Ph.D., under any circumstances.

At the discretion of the Dean and the faculty of the major department, up to ten quarter hours credit toward a Master's degree may be transferred.

M.S.-M.D. degree: A maximum of 15 quarter hours may be transferred as a result of satisfactory completion of the first (or second) year of the medical curriculum, as recommended by the candidate's Advisory Committee to the Dean.

In all cases any graduate coursework to be transferred must have the final approval of the Dean.

Major Advisor

Upon admission to a degree program a major advisor is selected who will serve as chairman of the Student's Advisory Committee. It is necessary that the student confer with the department chairman or his major advisor prior to his first enrollment in graduate work. The chairman or advisor must approve, prior to the student's enrollment, any course to be counted toward a degree.

Advisory Committee

An advisory committee will have the student's major advisor as chairman. At the proper time the chairman of the committee, after consultation with the student, will suggest to the department chairman the names of additional members of the faculty to serve as members of the student's Advisory Committee. One or two members of the committee will be from outside the student's major department. The department chairman will recommend the committee to the Dean and upon his concurrence, the committee will then be formally appointed.

This committee will guide the student in planning his program of study and research. The student submits his program of study (coursework outline) to his Advisory Committee which will review it and indicate what modifications, if any, are necessary. This committee also will review, suggest revisions, and approve the student's plan of research (research proposal form). All programs of study and the research plans are to be reviewed by the Advisory Committee before being submitted to the Dean for approval.

The readers' copies of the student's Dissertation or Thesis will be distributed to the members of this committee, who will inform the Dean (Dissertation/Thesis approval form) whether or not they find it acceptable for the purpose of administering the Final Oral Examination. The Dissertation/Thesis approval form is due in the Dean's office six weeks

prior to graduation. The Advisory Committee will have the responsibility for administering the Final Oral Examination in consultation with the Dean. The Dean will be kept fully informed of the student's progress and receive the recommendation of the committee prior to each step in the process. The Advisory Commitee will have the responsibility for administering the Preliminary Examination along with the involved department. (See Degree Requirements, Doctor of Philosophy.)

Residence and Time Limit

The minimum requirement for the Doctor of Philosophy degree is three full academic years beyond the Bachelor's degree which cannot be satisfied through summer work alone. At least three full consecutive quarters immediately prior to completion of degree requirements must be spent in residence on the campus. If the student has part-time duties (employment or a teaching assistantship), the residence requirements will be increased accordingly to provide the equivalent of three quarters of full-time study in residence. All coursework and other requirements for the Doctor of Philosophy degree except the Final Oral Examination must be completed within six consecutive calendar years.

The minimum residence requirement for all Masters' degrees is one full academic year. All work credited toward a Master's degree must be completed within five consecutive calendar years.

Financial Aid

Fellowships, Traineeships, Assistantships

The fellowships and assistantships offered by the School of Graduate Studies are listed below. Further information concerning them is available from the School of Graduate Studies' office. Students should also write for the Student Financial Aids Bulletin. (See General Information.)

Medical College of Georgia Graduate Teaching Assistantships

These carry stipends of $250 per month and are awarded to outstanding students. Holders of these fellowships are required to enroll for not less than 12 hours per quarter. A minimum of one-third time in service is required.

Requirements for Graduation

Doctor of Philosophy

1.
Graduate Study: A minimum of three academic years of full-time graduate study beyond the Bachelor's degree is required.

2.
Residence: A minimum of three consecutive quarters of full-time study or the equivalent in residence on this campus is required.

3.
Program of Study and Research Proposal: A program of study for the Ph.D. and research plan proposed as the basis for a dissertation which has been approved by the student's Advisory Committee and the Dean is required.

4.
Foreign Languages and Research Techniques: The student must demonstrate a knowledge of two appropriate tools of research. He may offer two modern languages; French, German and Russian are recommended. Another language or a research

technique chosen from computer programming language or mathematical methods may be substituted if it has greater relevance to the candidate's program of study and is recommended by his advisory committee. The native language may not be used to fulfill a language requirement; foreign students may be permitted to substitute English to satisfy one foreign language requirement.

5.

The Ph. D. general examination is divided into two parts: (1) a First Examination and (2) a Second Examination. These examinations will be as follows:

First Examination

The First Examination is a comprehensive test over the core content of the discipline under study. It is designed to test the student's knowledge and ability to correlate the basic material presented during the first part of his graduate studies. This examination may also serve as the Final Comprehensive Examination for the master of science degree.

The First Examination may be taken after a minimum of 30 quarter hours of graduate study provided at least 10 of these hours are at the 800 level. It must be successfully passed before the student will be permitted to register for more than a total of 8 quarters of graduate study or become a candidate for a graduate degree. In the event of failure, the First Examination may be repeated once with the permission of the department chairman provided at least one additional quarter of graduate work has been completed. The student must have submitted an approved program of study (coursework outline) for the Ph.D. before eligible to take the First Examination. The First Examination will be a written test that occupies two half days or one full day. The examination will be prepared by the student's Advisory Committee, submitted to the Graduate School for approval, and graded by the student's Advisory Committee under the supervision of the department chairman. The results will be certified to the Graduate School by the chairman of the department involved and the student's written answers will be filed with the Graduate School.

Second Examination

This examination will test the student's understanding of his specialized field of study, his ability to apply basic information and his understanding of the literature. The committee administering the examination will define the student's field of study. At least one academic quarter must elapse after the successful completion of the First Examination and the Second Examination. It is the responsibility of the student and his advisor to petition the Dean of the School of Graduate Studies to schedule this examination. The examination is written and usually occupies two half days or one full day. A *two hour oral examination may be substituted for one third of the written examination.* The Second Examination will be prepared, with *one outside examiner* appointed by the Dean of the School in attendance, submitted to the Graduate School for approval, and graded by the student's Advisory Committee. The outside examiner does not participate in the examination preparation but is to see that all procedures of the examination are being conducted within the guidelines of the School of Graduate Studies.

On both examinations, it is the responsibility of the committee to recommend whether or not the student has passed the examination: a majority of the committee is

needed for the student to pass. In the event of failure, this examination can be retaken once if this is recommended by the examining committee and approved by the Dean of the School of Graduate Studies and then only after at least two quarters of additional study.

6.

Admission to Candidacy for the Doctor of Philosophy Degree: A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3, 4 and 5 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the Ph.D. at least three quarters before the proposed graduation date.

7.

Application for Graduation: Each candidate for a graduate degree must apply for graduation at the School of Graduate Studies' office and pay the appropriate diploma fee to the Registrar.

8.

Dissertation: A dissertation based on original investigation which gives evidence of independent thinking, scholarly ability and critical judgment, and indicates familiarity with research methods and techniques is required. Directions for preparation of the dissertation are available in the School of Graduate Studies' office. At least 2 months before the proposed date of graduation, three typewritten readers copies of the complete dissertation must be submitted to the chairman of the student's Advisory Committee. At least six weeks before the proposed date of graduation, the Dissertation Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the dissertation and find it acceptable for the purpose of examining the student will be forwarded to the Dean. The student will be held responsible, under the supervision of the chairman, for making all changes recommended by the committee.

9.

Final Oral Examination / Satisfactory performance on the Final Oral Examination in which the student defends his dissertation before his Advisory Committee is required. This examination is based primarily on the dissertation and the field of knowledge that constitutes the student's major subject. This examination is open to the public and all members of the Faculty are invited to attend. After a successful Final Oral Examination, three final copies of the dissertation must be deposited with the School of Graduate Studies at least 1 week prior to graduation. Each copy must bear the approval signature of the major advisor (chairman of the Advisory Committee) and the Dean.

Satisfactory fulfillment of any additional requirement of the student's major department, or the institution is required.

Additional requirements: Before a student's name can be included on the Ph.D. list, he is required to complete a survey form for the Office of Scientific Personnel of the National Research Council. The completed form is obtained from and submitted to the School office.

Doctor of Philosophy-Doctor of Medicine:

1.

Graduate Study and Residence: It is anticipated that the Ph.D.-M.D. program will require 6 years.

2.
Program of Study and Research Proposal: Within the first three months after enrollment as a Ph.D.-M.D. candidate, an Advisory Committee will be established with his major professor as its chairman. The Advisory Committee will consist of four individuals in addition to the major professor, with a representative from at least one other department. The Committee will plan and direct the student's program of study and research. A program of study and research plan proposed as the basis for a dissertation which has been approved by the student's Advisory Committee and the Dean is required.

3.
Research Tools: Reading knowledge of two foreign languages is required. French, German, English and Russian are recommended. Another language, a demonstrated ability to communicate (program) in a computer language or the ability to apply advanced statistics may be substituted if it has greater relevance to the candidate's program of study, but such substitution must be recommended by the Advisory Committee and approved by the Dean. The native language of the candidate may not be used to fulfill a language requirement.

4.
The Ph.D. general examination is divided into two parts: (1) a First Examination and (2) a Second Examination. These examinations will be as follows:

First Examination

The First Examination is a comprehensive test over the core content of the discipline under study. It is designed to test the student's knowledge and ability to correlate the basic material presented during the first part of his graduate studies. This examination may also serve as the Final Comprehensive Examination for the master of science degree.

The First Examination may be taken after a minimum of 30 quarter hours of graduate study provided at least 10 of these hours are at the 800 level. It must be successfully passed before the student will be permitted to register for more than a total of 8 quarters of graduate study or become a candidate for a graduate degree. In the event of failure, the First Examination may be repeated once with the permission of the department chairman provided at least one additional quarter of graduate work has been completed. The student must have submitted an approved program of study (coursework outline) for the Ph.D. before eligible to take the First Examination. The First Examination will be a written test that occupies two half days or one full day. The examination will be prepared by the student's Advisory Committee, submitted to the Graduate School for approval, and graded by the student's Advisory Committee under the supervision of the department chairman. The results will be certified to the Graduate School by the chairman of the department involved and the student's written answers will be filed with the Graduate School.

Second Examination: This examination will test the student's understanding of his specialized field of study, his ability to apply basic information and his understanding of the literature. The committee administering the examination will define the student's field of study. At least one academic quarter must elapse after the successful completion of the First Examination and the Second Examination. It is the responsibility of the student and his advisor to petition the Dean of the School of Graduate Studies to schedule this examination. The

examination is written and usually occupies two half days or one full day. A *two hour oral examination may be substituted for one third of the written examination.* The Second Examination will be prepared, with *one outside examiner* appointed by the Dean of the School in attendance, submitted to the Graduate School for approval, and graded by the student's Advisory Committee. The outside examiner does not participate in the examination preparation but is to see that all procedures of the examination are being conducted within the guidelines of the School of Graduate Studies.

On both examinations, it is the responsibility of the committee to recommend whether or not the student has passed the examination; a majority of the committee is needed for the student to pass. In the event of failure, this examination can be retaken once if this is recommended by the examining committee and approved by the Dean of the School of Graduate Studies and then only after at least two quarters of additional study.

5.

Admission to Candidacy for the Doctor of Philosophy Degree: A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 2, 3, and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree.

6.

Application for Graduation: Each candidate for a graduate degree must apply for graduation and pay the appropriate diploma fee.

7.

Dissertation: A dissertation based on original investigation which gives evidence of independent thinking, scholarly ability and critical judgment and indicates familiarity with research methods and techniques is required. Directions for preparation of the dissertation are available in the School of Graduate Studies office. At least four weeks before the proposed date of graduation, three typewritten copies of the completed dissertation must be submitted to the School of Graduate Studies. These are then submitted to the members of the Advisory Committee who, after reading the dissertation, will notify the Dean whether they find it acceptable for the purpose of examining the student.

8.

Final Oral Examination: Satisfactory performance on the Final Oral Examination in which the student defends his dissertation before his Advisory Committee and Department is required. This examination is based primarily on the dissertation and the field of knowledge that constitutes the student's major subject. This examination is open to the public and all members of the Faculty are invited to attend. After a successful Final Oral Examination, three final copies of the dissertation must be deposited with the School of Graduate Studies. Each copy must bear the approval signatures of the Major Advisor (chairman of the Advisory Committee) and the Dean.

Master of Science

1.

Graduate Study / Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of thirty quarter hours must be allocated to graduate coursework in or related to the major field, at least ten of these hours to be in "800 level" courses.

2.
Residence / A minimum of three consecutive quarters of full-time study or the equivalent in residence on this campus is required.

3.
Program of Study and Research Proposal / A program of study and a research plan proposed as a basis of a thesis, which has been approved by the Advisory Committee and the Dean is required.

4.
Foreign Language / Reading knowledge of one foreign language is required. French, German, and Russian are recommended. Another language or a research technique chosen from computer programming language or mathematical methods may be substituted if it has greater relevance to the candidate's program of study and is recommended by his Advisory Committee. The native language of the candidate may not be used to fulfill a language requirement; foreign students may be permitted to substitute English to satisfy the foreign language requirement.

5.
Admission to Candidacy for the Master of Science Degree / A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S. at least one quarter before the proposed graduation date.

6.
First Examination (Comprehensive)/The First Examination is a comprehensive test over the core content of the discipline under study. It is designed to test the student's knowledge and ability to correlate the basic material presented during the first part of his graduate studies. This examination may also serve as the Final Comprehensive Examination for the master of science degree.

The First Examination may be taken after a minimum of 30 quarter hours of graduate study provided at least 10 of these hours are at the 800 level. It must be successfully passed before the student will be permitted to register for more than a total of 8 quarters of graduate study or become a candidate for a graduate degree. In the event of failure, the First Examination may be repeated once with the permission of the department chairman provided at least one additional quarter of graduate work has been completed. The student must have submitted an approved program of study (coursework outline) for the M.S. before eligible to take the First Examination. The First Examination will be a written test that occupies two half days or one full day. The examination will be prepared by the student's Advisory Committee, submitted to the Graduate School for approval, and graded by the student's Advisory Committee under the supervision of the department chairman. The results will be certified to the Graduate School by the chairman of the department involved and the student's written answers will be filed with the Graduate School.

7.
Application for Graduation / Each candidate for a graduate degree must apply for graduation at the School of Graduate Studies' office and pay the appropriate diploma fee to the Registrar.

8.
Thesis / A thesis based on original investigation is required. Direc-

tions for preparation of the thesis are available in the School of Graduate Studies' office. At least two months before the proposed date of graduation, three typewritten readers copies of the completed thesis must be submitted to the chairman of the student's Advisory Committee. At least six weeks before the proposed date of graduation, the Thesis Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the thesis and find it acceptable for the purpose of examining the student will be forwarded to the Dean. The student will be held responsible, under the supervision of the chairman, for making all changes recommended by the committee.

9.

Final Oral Examination / Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Advisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies at least one week prior to graduation. Each copy must bear the approved signatures of the major advisor (chairman of the Advisory Committee) and the Dean.

Satisfactory fulfillment of any additional requirements of the student's major department, or the institution is required.

Master of Science in Medical Illustration

1.

Graduate Study/135 quarter hours beyond the bachelor's degree are required. 40 quarter hours are spent in basic medical science subjects with graduate and medical students. Art studies and the Graphic Project complete the total of 135 hours.

2.

Residence / A minimum of three consecutive years of full-time graduate study or the equivalent in residence on this campus is required.

3.

Examination/At the end of the second year of study students will be required to pass a qualifying or comprehensive examination administered by the faculty of the Department of Medical Illustration. The Dean will be notified when these examinations are to be given, to whom, and will be informed of the results regarding the status of each student taking the examination.

4.

Program of Study and Graphic Project Proposal / A program of study and an outline of the work proposed as a basis for a graphic project which has been approved by the Advisory Committee and the Dean is required.

5.

Admission to Candidacy for the Master of Science Degree in Medical Illustration / A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S.M.I. at least one quarter before the proposed graduation date.

6.

Application for Graduation / Each candidate for a graduate degree must apply for graduation at the

School of Graduate Studies' office and pay the appropriate diploma fee to the Registrar.

7.

Graphic Project / A graphic project is required. Directions for preparations of the graphic project are available in the School of Graduate Studies' office. At least four weeks before the proposed date of graduation, a readers' copy of the completed graphic project must be submitted to the chairman of the student's Advisory Committee. At least two weeks before the proposed date of graduation the Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers' copy of the graphic project and find it acceptable will be forwarded to the Dean. Before signing the approval form, each member of the student's committee will be given full opportunity to question informally the student concerning any portion of the graphic project with regard to such particulars as choice of techniques, specific knowledge of content, or quality of presentation.

8.

Final Oral Examination / No formal oral in defense of the graphic project is required. This requirement should be satisfied as stated in 7 above. Three copies of the final graphic project must be deposited with the School of Graduate studies at least one week prior to graduation. Each copy must bear the approval signature of the major advisor (chairman of the Advisory Committee) and the Dean.

9.

Satisfactory fulfillment of any additional requirements of the student's major department or the institution is required.

Master of Science-Doctor of Medicine:

The M.S.-M.D. program is offered in the Departments of Anatomy, Cell and Molecular Biology (Biochemistry or Microbiology), Endocrinology, Pharmacology and Physiology. The courses offered by these departments have already been approved for graduate study and are listed in the Department's curriculum.

1.

Graduate Study: Forty-five quarter hours of graduate study are required of which a maximum of 15 quarter hours may be transferred as a result of satisfactory completion of the 1st (or 2nd) year of the medical curriculum. A minimum of 15 quarter hours must be allocated to advanced coursework (800 series) in or related to the major field. Fifteen additional quarter hours may be allocated to Seminar (901, 902, and 903), problem (921) and research (930). Coursework programs will be arranged on an individual basis.

2.

Residence: One full academic year in residence as a graduate student is required. It is anticipated that the minimum time for the combined M.S.-M.D. degree would be 4 ½ years.

3.

Program of Study and Research Proposal: Within the first 3 months of his enrollment as a M.S.-M.D. candidate, an Advisory Committee will be established with his major professor as its chairman. The Advisory Committee should consist of approximately four individuals in addition to the major professor with at least one representative from another department. This committee will plan the student's course of study. A program of study and a research plan, which will serve as the basis for a thesis, should be recommended by the candidate's Advisory Committee and approved by the Dean.

4.
Research Tools: A research tool is defined as a) reading knowledge of one foreign language, b) demonstrated ability to communicate in a computer language or c) ability to apply advanced statistics to a research program. The candidate must fulfill one of these requirements as suggested by his Advisory Committee and approved by the Dean of the School of Graduate Studies. A waiver of this requirement will also be entertained by the Dean if sufficient justification is offered by the candidate's Advisory Committee.

5.
Admission to Candidacy for the Master of Science Degree: A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S. at least one quarter before the proposed graduation date.

6.
First Examination: (Comprehensive): The First Examination is a comprehensive test over the core content of the discipline under study. It is designed to test the student's knowledge and ability to correlate the basic material presented during the first part of his graduate studies. This examination may also serve as the Final Comprehensive Examination for the master of science degree.

The First Examination may be taken after a minimum of 30 quarter hours of graduate study provided at least 10 of these hours are at the 800 level. It must be successfully passed before the student will be permitted to register for more than a total of 8 quarters of graduate study or become a candidate for a graduate degree. In the event of failure, the First Examination may be repeated once with permission of the department chairman provided at least one additional quarter of graduate work has been completed. The student must have submitted an approved program of study (coursework outline) for the M.S. before eligible to take the First Examination. The First Examination will be a written test that occupies two half days or one full day. The examination will be prepared by the student's Advisory Committee, submitted to the Graduate School for approval, and graded by the student's Advisory Committee under the supervision of the department chairman. The results will be certified to the Graduate School by the chairman of the department involved and the student's written answers will be filed with the Graduate School.

7.
Thesis: A thesis based on original investigation is required. Directions for preparation of the thesis are available in the School of Graduate Studies' office. At least two months before the proposed date of graduation, three typewritten readers copies of the completed thesis must be submitted to the chairman of the student's Advisory Committee. At least six weeks before the proposed date of graduation, the Thesis Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the thesis and find it acceptable for the purpose of examining the student will be forwarded to the Dean. The student will be held responsible, under the supervision of the

chairman, for making all changes recommended by the committee.

8.
Final Oral Examination: Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Advisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies. Each copy must bear the approval signatures of the major Advisor (Chairman of the Advisory Committee) and the Dean.

9.
Satisfactory fulfillment of any additional requirements of the student's major department or the institution is required.

Master of Science in Oral Biology:

1.
Graduate Study: Forty-five quarter hours of graduate study beyond the Bachelor's degree is required. A minimum of fifteen quarter hours must be allocated to advanced coursework (800 series) in or related to the major field. No course of the 600-700 series or an equivalent course, nor any course that the student used to satisfy any requirement for a professional degree or an equivalent course may be used to satisfy this requirement. Thirty quarter hours of the required forty-five are to be allocated to seminars (901, 902, and 903), problems (921) and research (930) for the thesis.

2.
Residence: Two full academic years in residence is required.

3.
Program of Study and Research Proposal: A program of study and a research plan proposed as a basis of a thesis, which have been approved by the Advisory Committee and the Dean is required.

4.
Foreign Language: Reading knowledge of one foreign language is required. French, German, and Russian are recommended. Another language or a research technique chosen from computer programming language or mathematical methods may be substituted if it has greater relevance to the candidate's program of study and is recommended by his Advisory Committee. The native language of the candidate may not be used to fulfill a language requirement; foreign students may be permitted to substitute English to satisfy the foreign language requirement.

5.
Admission to Candidacy for the Master of Science Degree: A student will be admitted to candidacy for this degree by the Dean of the School of Graduate Studies when he has met requirements 3 and 4 for this degree. A student may take various courses after admission to the School of Graduate Studies, but there is no commitment that these courses will be credited toward a degree until he is admitted to candidacy for an advanced degree. A student must be eligible for candidacy for the M.S. at least one quarter before the proposed graduation date.

6.
First Examination (Comprehensive): The First Examination is a comprehensive test over the core content of the discipline under study. It is designed to test the student's knowledge and ability to correlate the basic material presented during the first part of his graduate studies. This examination may also serve as the Final Comprehensive Examination for the master of science degree.

The First Examination may be taken after a minimum of 30 quarter hours of graduate study provided at least 10 of these hours are at the 800 level. It must be successfully passed before the student will be permitted to register for more than a total of 8 quarters of graduate study or become a candidate for a graduate degree. In the event of failure, the First Examination may be repeated once with the permission of the department chairman provided at least one additional quarter of graduate work has been completed. The student must have submitted an approved program of study (coursework outline) for the M.S. before eligible to take the First Examination. The First Examination will be a written test that occupies two half days or one full day. The examination will be prepared by the student's Advisory Committee, submitted to the Graduate School for approval, and graded by the student's Advisory Committee under the supervision of the department chairman. The results will be certified to the Graduate School by the chairman of the department involved and the student's written answers will be filed with the Graduate School.

7.
Application for Graduation: Each candidate for a graduate degree must apply for graduation at the School of Graduate Studies' Office and pay the appropriate diploma fee to the Registrar.

8.
Thesis: A thesis based on original investigation is required. Directions for preparation of the thesis are available in the School of Graduate Studies' office. At least two months before the proposed date of graduation, three typewritten readers copies of the completed thesis must be submitted to the chairman of the student's Advisory Committee. At least six weeks before the proposed date of graduation, the Thesis Approval Form signed by the chairman and the committee indicating that the members of the committee have read the readers copy of the thesis and find it acceptable for the purpose of examining the student will be forwarded to the Dean. The student will be held responsible, under the supervision of the chairman, for making all changes recommended by the committee.

9.
Final Oral Examination: Satisfactory performance on the Final Oral Examination in which the student defends his thesis before his Advisory Committee is required. This examination is open to the public. After a successful examination, three copies of the final thesis must be deposited with the School of Graduate Studies at least one week prior to graduation. Each copy must bear the approved signatures of the major Advisor (Chairman of the Advisory Committee) and the Dean.

Satisfactory fulfillment of any additional requirements of the student's major department, or the institution is required.

Curriculum

Anatomy

Acting Chairman: Thomas F. McDonald

Faculty: Allen, L., McKenzie, Rosenquist, Sharawy, Wellband, Welter.

Recommended Preparation: An undergraduate major in zoology or

general biology, or a major in chemistry or physics with a minor in zoology or general biology (at least three basic courses).

Departmental Requirements: The basic core of coursework for the graduate program consists typically of ANM 701, 702, 703, 807, 813, and graduate level courses in biochemistry and/or physiology.

Anm 701, 702 Gross Anatomy. (5 hours each Fall & Winter)
A lecture and laboratory course which requires dissection of the human body. Staff.

Anm 703. Neuroanatomy. (4 hours, Winter)
A study of the gross and microscopic structure of the human nervous system and organs of special sense. Staff.

Anm 807. Embryology. (5 hours.)
A study of the fundamental principles of mammalian embryonic development. Subject matter includes germ cell formation, fertilization, implantation, placentation, and morphogenesis of the various systems of embryos of various ages. McDonald and Moore

Anm 813. Histology. (8 hours, Fall)
A study of the cells, tissues and the organs of man as related to their function. Staff

Anm 814. High Resolution Microscopy. (5 hours, Spring)
A course in the basic technique in electron microscopy. Emphasis is placed on preparing of tissues for electron microscopy, operating the scanning and transmission electron microscopes, and preparing and interpreting electron micrographs. McDonald and J. Horner.

Anm 816. Histochemistry. (4 hours, Spring and Fall).
A lecture and laboratory course intended to provide advanced graduate students greater comprehension of the quantity, distribution, and function of the major chemical constituents of cells and tissues; to include proteins, fats, carbohydrates, nucleic acids and enzymes. The laboratory will teach the more useful and effective methods for localization and quantitation. Rosenquist and H. Troyer.

Anm 817. Special Topics in Gross Anatomy (3 hours, Spring)
Prerequisite: Anm 701, 702
This course involves special dissections on areas of human anatomy not normally dissected in Gross Anatomy 701. These dissections include the back, ear, sub occipital region, pelvis, foot and other topics. In addition, students will attend clinical conferences related to these areas of dissection. Wellband and R. Hannah.

Anm 818. Advanced Developmental Anatomy (3 hours, Spring)
Prerequisite: Anm 807
This advanced course entails the study of both normal and abnormal human development. The program involves gross dissection and microscopic slide examination of the human fetus. The lectures will include in-depth discussion of embryological important clinical areas such as the cardiovascular and nervous system. In addition, students will observe various surgical corrective procedures. McKenzie and R. Hannah.

Anm 819. Special Topics in Neuroanatomy (3 hours, Spring)
Prerequisite: Anm 703 or permission of instructor.
This course will be a brief review of basics including a complete brain dissection and slide study. The major time will be used to explore in depth some recent

research relating to certain areas or systems. This will be accomplished by lectures by the faculty, special lecturers, and some student lectures in areas of their special interest. McKenzie and Wellband.

Anm 820. Special Topics in Cell Biology (3 hours, Winter)
Prerequisite: Histology and Biochemistry or equivalent.
This course will provide an intensive review of the literature, and in some instances laboratory experience with a set of one or more tissues, cellular structures, tissues or cellular processes, or preparative or analytical methods. Topics will be selected during the prior quarter based on departmental and student needs. Sharawy and J. Wheeler.

Anm 822. Advanced High Resolution Microscopy (5 hours, As Required)
Prerequisite: Anm 814.
A course in advanced and specialized techniques of electron microscopy. Included are recently described techniques for the use of scanning and transmission electron microscopy in medical research. McDonald and J. Horner.

Anm 901, 902, 903. Seminar In Anatomy (1 hour each.) Sharawy

Anm 921. Investigation of a Problem (Credit to be arranged.)

Anm 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Cell and Molecular Biology

Chairman: Edward Bresnick

Faculty: Abdel-Latif, Bard, Best, Black, Brownell, Burnett, Bustos-Valdes, Candelas, Cutroneo, Denton, Dirksen, Garver, Gelfant, Glassman, Hall, Howard, E., Howard, J., Huisman, Israel, Karp, Lapp, Leibach, Liebelt, A., Liebelt, R., McPherson, Nair, Roesel, C., Schuster, Scott, Singal, Smith, L.

Graduate Program in Biochemistry

Recommended preparation: Courses at the college level in physics, mathematics through integral calculus, biology, organic chemistry through qualitative organic and a year of physical chemistry.

Bch 801-802. Biochemistry. (3 hours each quarter, Fall and winter quarters each year.)
A course sequence covering the chemistry and reactions of the constituents of living matter, metabolism and control mechanisms in whole organisms, organs, cells and subcellular systems, metabolic patterns and biosynthetic pathways.

Bch 803. Topics in Biochemistry. (3 hours.)
Advanced treatment of selected topics which vary yearly.

Bch 804, 805. Experimental Biochemistry. (3 hours each quarter. Winter and spring quarters each year.) The first course deals with the preparation and characterization of substances of biochemical significance. The second course includes experiments in biological oxidation, glucose metabolism, phosphatide and protein synthesis.

Bch 807. Chemical Kinetics. (3 hours. Fall quarter.)
Theories of reaction velocity and their application to the understanding of reaction mechanisms.

Bch 808. Physical Methods of Structure Determination. (3 hours. Fall quarter.)
Use of physical methods (UV, IR, NMR, ORD, ESR) to determine the structure of biochemically important monomers and polymers.

Bch 809. Physical Biochemistry. (3 hours.)
Structure, properties, energetics, kinetics with particular reference to biopolymers. Three lectures, one conference, assigned readings and calculations.

Bch 825, 826. Biochemical Disorders in Disease. (2 hours each.)
The application of biochemistry to the investigation of metabolic and degenerative diseases.

Bch 830, 831, 832. Organic Reaction Mechanisms. (3, 3 and 2 hours, respectively, to be taken in numerical sequence.)
Modern theories of organic chemistry with emphasis on reaction mechanisms of biochemical interest.

Cmb 901, 902, 903. Seminar in Biochemistry. (1 hour each.)

Cmb 904. Biochemistry Workshop. (1 hour)

Cmb 921. Investigation of a Problem. (Credit to be arranged.)

Cmb 930. Research (for Dissertation and Thesis). (Credit to be arranged.)

Graduate Program in Microbiology

Recommended preparation: Adequate background in biology and chemistry, usually an undergraduate major in biology and a minor in chemistry, or a major in chemistry with a minor in biology.

Mib 701. General Microbiology: Bacteria and Immunity. (5 hours.)
Principles of microbiology presented with emphasis on microbial physiology and genetics. Fundamental aspects of immunity and immunology are also discussed.

Mib 702. Medical Microbiology: Bacteria, Viruses, Rickettsiae and Fungi. (5 hours.)
Principles of microbiology with emphasis on the pathogenic bacteria, viruses, rickettsiae and fungi. Properties of the commoner organisms of this type and methods for cultivation, isolation and identification. Mib 701 prerequisite.

Mib 703. Parasitology. (3 hours.)
Studies of the animal parasites of man and their mode of transmission.

Mib 801. Immunology. (3 hours.)
Biological, physical and chemical properties of antigens and antibodies; mechanisms of precipitation and agglutination reactions, cytotoxic reactions, medicated by antibody and complement; mechanisms of antibody formation; nature and mechanisms of hypersensitivity reaction and immunology and chemistry of blood group substance. Mib 701 prerequisite.

Mib 802. Bacterial Genetics. (5 hours.)
A consideration of nucleic acid metabolism and heredity in microorganisms including conjugation, transduction and transformation. Mib 701-702 prerequisite.

Mib 803. Virology. (3 hours.)
Studies of animal viruses, and newer techniques for cell culture and identification. Mib 701-702 prerequisite.

Mib 804. Mycology. (3 hours.)
Lectures and experimental studies of fungi pathogenic for man. Mib 701-702 prerequisite.

Mib 805. Immuno-chemistry. (3 hours.)
Advanced immunology with emphasis on the clinical aspects. Mib 801 prerequisite.

Mib 806. Microbial Physiology. (5 hours.)
Intermediary metabolism peculiar to microorganisms and its relationship to the effect of the chemical environment on the growth and death of microorganisms. Mib 701-702 prerequisite.

Mib 808. Cell and Tissue Culture. (3 hours.)
Principles and techniques of cell and tissue culture. Emphasis on tissue culture techniques used in the study of viruses, bacteria and immunologic problems.

Mib 810. Hematology. (3 hours.)
A consideration of fundamental hematologic concepts and practical laboratory procedures.

Mib 812. Host-Parasite Relationship. (3 hours.)
This will be a series of lectures and seminars on the biochemical and immunological relationships between infectious agents and their hosts. In cooperation with the staff of the Department of Medicine.

Cmb 901, 902, 903. Seminar in Microbiology. (1 hour each.)

Cmb 904. Biochemistry Workshop. (1 hour.)

Cmb 921. Investigation of a Problem. (Credit to be arranged.)

Cmb 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Endocrinology

Chairman: Virendra B. Mahesh

Faculty: Byrd, Costoff, Greenblatt, Mills, Muldoon

Recommended preparation: Course-work in inorganic, organic and physical chemistry, qualitative and quantitative analysis, and in biological sciences including such courses as physiology, anatomy, histology, embryology, zoology, etc.

End 707. Introduction to Endocrinology. (1 hour.)
This course will give a general introduction to the concept of hormones, endocrine glands, and various mechanisms involved in regulation and control of endocrine secretion.

End 801. Clinical Endocrinology. (2 hours.)
Clinical survey of the function of the hypothalamus, pituitary, adrenals, gonads, thyroid and pancreas, and the diagnosis and treatment of endocrine disorders associated with these glands.

End 802. Advanced Clinical Endocrinology. (6 hours.)
A continuation of End 801 at an advanced level. Included is participation in the diagnosis, work-up, treatment and discussion of selected patients with various endocrine disorders.

End 807. Clinical Aspects in Human Reproductive Physiology. (5 hours.)
The essentials in human reproduction and the application of present day knowledge in the promotion of fertility as well as fertility controls.

End 808. Human Cytogenetics. (3 hours.)
A study of the relationships between chromosome morphology, function and disease. Consideration of chemical and physical nature of the chromosome, chromosomal aberrations, ploidy, significant of sex chromatin, inheritance of chromosomal

defects and genetics of cells in culture.

End 809. Human Cytogenetics—Laboratory Techniques. (3 hours.)
A laboratory study of methods used in human cytogenetics including methods for culture and chromosome analysis and somatic cells, sex chromatin, autoradiography, photomicography, meiotic preparations and solid tissue culture.

End 810. Biochemical Methods in Endocrine Research. (3 hours.)
Work in specialized methods such as fractionation and individual estimation of steroids, determination of aldosterone, chromatography, and use of isotopes.

End 811. Laboratory Procedures in Clinical Endocrinology. (2 hours.)
Studies and experience in the estimation of 17-ketosteroids, 17-ketogenic steroids, pregnandiol, urinary gonadotropics, PBI pregnancy tests, estrogens.

End 812, 813. Chemistry of Steroids. (2 quarter sequence, 2 hours each.)
A survey of the chemical synthesis, degradation and general reactivity of various classes of steroids. Physical methods of characterization and methods of steroid determination are discussed with particular emphasis on steroids of biological importance.

End 814. Endocrinology. (4 hours.)
Studies of the hormones of the hypothalamus, pituitary, the medulla, pancreas, thyroid, and parathyroid.

End 815. Endocrinology. (4 hours.)
Studies of the secretion, biosynthesis, transport, metabolism and secretion of steroid hormones.

End 816. Endocrinology. (4 hours.) Prerequisites: End 814, 815.
Study of the structure and biological activity of hormones, introduction to concepts of hormone-receptor interaction, mechanism of hormone action, special topics.

End 817. Reproductive Physiology. (4 hours.)
A biologically oriented course dealing with spermatogenesis, ovulation, fertilization, implantation and pregnancy.

End 818. Population Explosion and Contraception. (2 hours.)
This course will survey the problems of population explosion in the United States and around the world and discuss the safety and efficiency of current methods of contraception.

End 819. Comparative Endocrinology. (4 hours.)
Consisting of fine structure and histology of endocrine glands and correlating this with function in man and other species.

End 901, 902, 903. Seminar in Endocrinology. (1 hour each.)

End 921. Investigation of a Problem. (Credit to be arranged.)

End 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Medical Illustration

Faculty: Garlington
The study of Medical Illustration is a three year program consisting of the curriculum listed below. Courses at the 600 level are included in the first year of study; 700 level cover the second year; 800 level and MIL 928 are included in the third year of study.

Anm 701, 702. Gross Anatomy. (First and second quarter, 5 quarter hours each.)
A lecture and laboratory course which requires participation in a satisfactory dissection of the human body.

Mil 650, 651, 652. Techniques of Medical Illustration. (Three quarters, 22 quarter hours.)
Instruction is given in the use of the media of the medical illustrator, including carbon dust, pen and ink, watercolor and airbrush.

Mil 655. Presentation of Data. (First quarter, 4 quarter hours.)
The student learns to use mechanical lettering equipment and basic drafting instruments in the presentation of scientific data as diagrams, charts and graphs.

Mil 658. Anatomical Sculpture. (Third quarter, 4 quarter hours.)
The student models anatomical subjects in clay, then casts them in plaster, latex or other materials.

Mil 659. Commercial Medical Illustration. (Second quarter, 2 quarter hours.)
The student prepares artwork for commercial reproduction from basic layout to separated mechanical that is camera-ready for the printer.

Mil 661. Ophthalmological Drawing. (Second quarter, 2 quarter hours.)
Drawings of the fundus of the eye are accomplished from ophthalmoscopic observation. Course includes illustrating other normal and pathological eye anatomy.

Mil 663. O.R. and Surgical Drawing. (Third quarter, 4 quarter hours.)
Students observe surgical procedures in the operating rooms of the hospital and make rough sketches for later completion. The sketches serve as the basis for finished, detailed illustrations using art media previously studied.

Mil 665, 666. Medical Photography. (Second and third quarters, 4 quarter hours.)
Students receive instruction and experience in elementary photography and film processing.

Phy 601. Review of Human Physiology. (6 hours.)
Prerequisite: Permission of the Department of Physiology.
A review of human physiology emphasizing current concepts of organ function and their relationship to disease states.
NOTE: Students who have undergraduate credit in human physiology prior to entrance will be exempt from this class.

Mil 678. Clinical Surgery. (First year, 4 quarter hours.)
An experienced-oriented course in which the student performs standard surgical procedures upon anesthetized animals, administers anesthesia, and becomes familiar with sterile technique and other operating room routine.

Mil 750, 751, 752. O.R. and Surgical Drawing. (Three quarters, 16 quarter hours.)
Student sketches a variety of surgical procedures while observing in the operating rooms, and uses these sketches back in the art

studio as reference material for rendering accurate, finished illustrations.

Mil 758, 759, 760. Advanced Medical Photography. (Three quarters, 6 quarter hours.)
Advanced training in studio and laboratories of the medical photography service unit: copywork, patient photography in the hospital studio and in the operating rooms, photomicrography and basic motion picture photography.

Mil 761, 762, 763. Color Rendition. (Three quarters, 16 quarter hours.)
The student is working primarily in watercolor developing drawings of anatomical and medical subject material. The course includes the viewing of the cavities of the body using cystoscope, bronchoscope, proctoscope, etc., and the color rendering of material observed and the equipment used.

Anm 813. Histology. (First quarter, 8 quarter hours.)
A study of the cells, tissues and the organs of man as related to their function.

Anm 703. Neuroanatomy. (Second quarter, 4 quarter hours.)
The study of the gross and microscopic structure of the human nervous system and organs of special sense.

Mil 764. Survey of Learning Resources. (Second quarter, 2 quarter hours.)
An introduction to current learning concepts with emphasis on trends in visual educational resources. Student gains experience in techniques and methods of planning, production and presentation of visual materials in a variety of communication media.

Mil 753. Medical Publishing. (Third quarter, 1 quarter hour.)
A study of the printing processes used to reproduce artwork in line, tone and color, as well as related areas of publishing such as typography, composition, and platemaking.

Mil 780. Television. (Third quarter, 2 quarter hours.)
Instruction in the illustrator's role in a television production unit. Student is introduced to the equipment and production methods of closed circuit television, with emphasis on graphics and program planning.

Mil 775. Statistics. (Third quarter, 2 quarter hours.)
Instruction and specific class problems in the depiction of statistical material for various methods of visual presentation.

Mil 801. Advanced Techniques of Medical Illustration. (10 hours.)
Advanced training in the techniques and mediums of the medical illustrator in depicting major operative procedures, endoscopic examination and ophthalmological conditions and procedures.

Mil 802. Department Development and Administration. (1 hour.)
Instruction is given in how to institute or develop a department of medical illustration, the photographic and art materials and equipment necessary in such departments, recommended types of clerical forms and records and departmental responsibilities and the general administration of a department.

Mil 803. Interpretive and Reconstructive Drawing. (2 hours.)
This course correlates the study of pathology and art in the drawing of autopsy and fixed specimens and the reconstructional drawing of specimens as they appeared during life. The diagrammatic representation of conditions of organs and the physiological effect on other organs as a contributing factor in death is depicted in such drawings.

Mil 804. Scientific Exhibit Production. (1 hour.)
The methods of planning a scientific exhibit from the first discussions to the final presentation is covered. Included are the practical aspects of production: scale drawings, materials, basic design, carpentry and production techniques.

Mil 811. I, II. Pathology—General Pathology. (16 hours.)
The basic principles of pathology and the important general and systemic manifestations of disease.

Mil 928. Medical Illustration—Graphic Projects. (15 hours.)
The presentation of a selection of examples from the educational experiences encountered in the overall program while in residence. Where possible, individual concepts will be developed by each student in demonstrating these categories, which include the following: Surgical Drawing, Pathology, Dentistry, Anatomy, Exhibits, Statistics, Commercial Medical Illustration, Tri-dimensional Models, Diagrammatic Representation, Medical Photography, Television Graphics, Plastic Embedment, Prosthetics.

Oral Biology

Chairman: George W. Burnett

Faculty: Burnett, Bustos-Valdes, Dirksen, Gangarosa, Pashley, Schuster, Sharawy, Weatherred

Recommended Preparation: D.D.S., D.M.D. or equivalent degree
Departmental Requirements: 12 hours of core curriculum including O.B. 811, 822, 833, 841, 852, 863 or acceptable equivalents. Other elective 800 level course to total 15 hours. Acceptable proficiency in a communication skill as determined by the student's advisory committee. At least 30 quarter hours of 900 level courses are required.

Oral Biology 811: Head and Neck Anatomy. (2 hours). An advanced course in applied anatomy of the head and neck region.

Oral Biology 822: Oral Biochemistry. (2 hours). The biochemistry of various structural and non-structural components of the body as related to oral health and disease.

Oral Biology 833: Physiology of the Stomatognathic System. (2 hours). A guided survey of the physiology of the stomatognathic system.

Oral Biology 841: Microbiological and Immunological Aspects of Oral Disease. (2 hours). An advanced course on oral microbiology, infection and resistance, and oral diseases of microbial origin.

Oral Biology 852: Molecular Pathology. (2 hours). Concepts of disease, particularly oral diseases, at cellular and subcellular levels.

Oral Biology 854, 855, 856: Oral Pathology (1 hour each). An advanced course of the oral diseases, including etinology, pathogenesis, diagnosis, prognosis, and treatment.

Oral Biology 863: Dental Pharmacology. (2 hours). Advanced pharmacology of interest to clinical and investigative dentistry.

Oral Biology 901, 902, 903: Graduate Oral Biology Seminars. (1-2 hours). These seminars will include advanced topics of interest to dentistry and will be presented by both graduate students and faculty. An in-depth coverage of the literature is expected for each presentation.

Oral Biology 921: Investigation of a Problem. (Credit to be arranged).

Oral Biology 930: Research (for Dissertation or Thesis). (Credit to be arranged).

Physiology

Chairman: Robert C. Little
Faculty: Delahayes, Doetsch, Dow, Ginsburg, Hendrich, Hofman, W. Jackson, McKenney, Pashley, Reichard, Stoney, Weatherred, Wiedmeier.

Recommended preparation: Chemistry, through organic and quantitative analysis; an introductory course in zoology; one course each in comparative anatomy and embryology; a full year in physics and mathematics through differential and integral calculus.

Phy 601. Review of Human Physiology. (6 hours)
A review of human physiology emphasizing current concepts of organ function and their relationship to disease states. Prerequisite: Permission of the Department of Physiology.

Phy 701, 702, 703. Survey of Physiology. (6, 6 and 4 hours respectively) Staff.
Electrophysiology, muscle and cardiovascular physiology; respiratory, fluid and gastrointestinal physiology, metabolism endocrine physiology, neurophysiology.

Phy 802. Cardiodynamics. (3 hours)
Physiology of the heart, including structure, development, action as muscle and dynamics of its pumping action. Little.

Phy 803. Peripheral Circulation. (3 hours)
A study of the architecture and hemodynamics of peripheral vasculature. Weatherred.

Phy 804. Muscle Physiology. (3 hours.)
Mechanics of muscle contraction—Excitation contraction coupling. Contractile proteins and chemistry of contraction. Theory of contraction. (Skeletal, heart and smooth muscles.) Delahayes.

Phy 805. Blood Flow Regulation. (3 hours.)
A study of the determinants affecting cardiac output and peripheral flow, with consideration of the techniques of measuring the flow. Wiedmeier.

Phy 806. Respiration. (3 hours)
A study of the mechanics and the control of respiration including consideration of experimental measurement. Miller and Hofman.

Phy 807. Body Fluid Regulation. (3 hours.)
A study of current and classical literature dealing with fluid regulation

with particular emphasis on renal mechanisms for volume and composition control. Ginsburg and Pashley.

Phy 813. Electrophysiology. (3 hours.)
Theoretical basis of electrophysiological phenomena; recording apparatus and technique; and the electrophysiology of cell tissues and excitable structures. Delahayes.

Phy 815. Radioisotopes in Biological Research. (3 hours.)
The theory, utility and methodology for the use of radioisotopes in biological research. Reichard.

Phy 816. Motor Systems. (3 hours.)
Survey of neurophysiological mechanisms which underlie cerebral, cerebellar and basal ganglia control of voluntary movement. Stoney.

Phy 820. Radiobiology. (3 hours.)
Cellular and physiological effects of ionizing radiation. Reichard.

Phy 821. Sensory Systems. (3 hours.)
A guided survey of the basic principles of functional organization of somatic and special sensory systems. Emphasis on coding and synaptic processing of sensory information. Doetsch.

Phy 822. Biological Substrates of Learning and Motivation. (3 hours.)
A survey of the electrophysiological, neuroanatomical and biochemical correlates of learning and motivation. Included will be an assessment of techniques used in this area of study. Jackson.

Phy 823. The Application of Control Theory to Physiological Systems. (3 hours.)
The study of the techniques to mathematically describe a physiological process and the aspects of control theory that are effective in the analysis of a system. Computer simulation of selected physiological systems. Miller and Williams.

Phy 824. Physiology of Thyroid and Parathyroid Hormone. (3 hours.)
Control of secretion, synthesis and metabolism of thyroid hormones along with present concepts of general metabolic functions of thyroid hormones. The latter half of the course will involve a study of the control of secretion of thyrocalcitonin and parathyroid hormones and how these two hormones interact as regulators of plasma and tissue levels of calcium, magnesium and phosphorus. Hendrich.

Phy 899. Special Topic Seminar Courses in Physiology. (Hours to be arranged) Staff.
Special topic courses taught as seminars in the areas of cardiovascular, renal, respiratory, muscle, neuro and endocrine physiology.

Phy 901, 902, 903. Seminar in Physiology. (1 hour each) Staff.

Phy 921. Investigation of a Problem. (Credit to be arranged).

Phy 930. Research (for Dissertation or Thesis). (Credit to be arranged).

Pharmacology

Chairman: Raymond P. Ahlquist

Faculty: Carr, Chiang, Gangarosa, Geber, Jerram, Karow, Kling.

Recommended preparation:
Major training in at least one of the

following fields: zoology, anatomy, microbiology, physiology, biochemistry, botany, mathematics or electronics. Courses in several of the fields other than the major field are desirable.

Phm 701. General Pharmacology. (4 hours.)
A survey course covering the general principles of pharmacodynamics, chemotherapy and toxicology. The pharmacology of the following will be introduced: central nervous system, peripheral motor nervous system, cardiovascular-renal system, gastrointestinal system, and endocrine system.

Phm 711. Cryopharmacology. (3 hours.)
The biophysics of freezing injury and the use of cryoprotective drugs. Consent of instructor prerequisite.

Phm 721. Drug Induced Teratogenesis. (3 hours.)
Consideration of theories of drug induction of congenital malformations in the mammalian fetus. Experimental methods of evaluating drug teratogenicity will be studied. Consent of instructor prerequisite.

Phm 801. Molecular Pharmacology. (3 hours.)
Mechanism of achieving a biological effect through the chemical interaction of a drug with a biological receptor. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm 802. Methods in Pharmacological Research. (3 hours.)
Physiological and biochemical methods employed in pharmacological investigations. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm 803. Neuropharmacology. (3 hours.)
Selected topics related to the action of chemical agents on the nervous system. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm 804. Advanced Pharmacology. (2 hours.)
Research objectives in pharmacology. Current concepts and trends in pharmacological research. Prerequisites: Phm. 701 or equivalent or consent of instructor.

Phm 805. Mechanisms of Drug Toxicity. (3 hours.)
A study of the adverse effects of drugs on organ systems and metabolic pathways. Prerequisites: Phm. 701 or equivalent and consent of instructor.

Phm. 808. Autonomic Pharmacology. (3 hours.)
A study of neurohumoral transmission, adrenergic and cholinergic agonists and blocking agents, and mechanisms of action of drugs affecting the peripheral motor nervous system. Prerequisites: Phm. 701 or equivalent and consent of instructor

Phm 809. Cardiovascular-Renal Pharmacology. (3 hours.)
Evaluation of the interrelationships of the action of drugs on the heart, peripheral circulation, and renal function. Prerequisites: Phm 701 or equivalent and consent of instructor.

Phm 901, 902, 903. Seminar in Pharmacology. (1 hour each.)

Phm 921. Investigation of a Problem. (Credit to be arranged.)

Phm 930. Research (for Dissertation or Thesis). (Credit to be arranged.)

Statistics

James B. Mathews: Director, Systems and Computer Services.

Sta 601. Introduction to Biomedical Computing. (3 hours.)
Introduction to computers and biomedical computing. FORTRAN programming with emphasis on techniques for biomedical data analysis.

Sta 602-603. Advanced Techniques In Biomedical Computing and Analysis. (3 hours per quarter; Prerequisite: Sta 601 or equivalent)
Advanced FORTRAN and techniques for processing and analyzing biomedical data. Curve fitting and related techniques for analyzing biological signals. Use of program packages for numerical and statistical analysis. Organization of large files and data banks. Students will be encouraged to learn these methods using research problems from their own professional areas. The last quarter will include a supervised project from each student's area of interest.

Sta 801. Introductory Statistics. (5 hours. Prerequisite: College algebra or consent of instructor.)
General principles and methods of statistics as applied to biological research. Fundamental concepts including probability, frequency distributions, randomization, t tests, Chi-square, analysis of variance, linear regression and correlation.

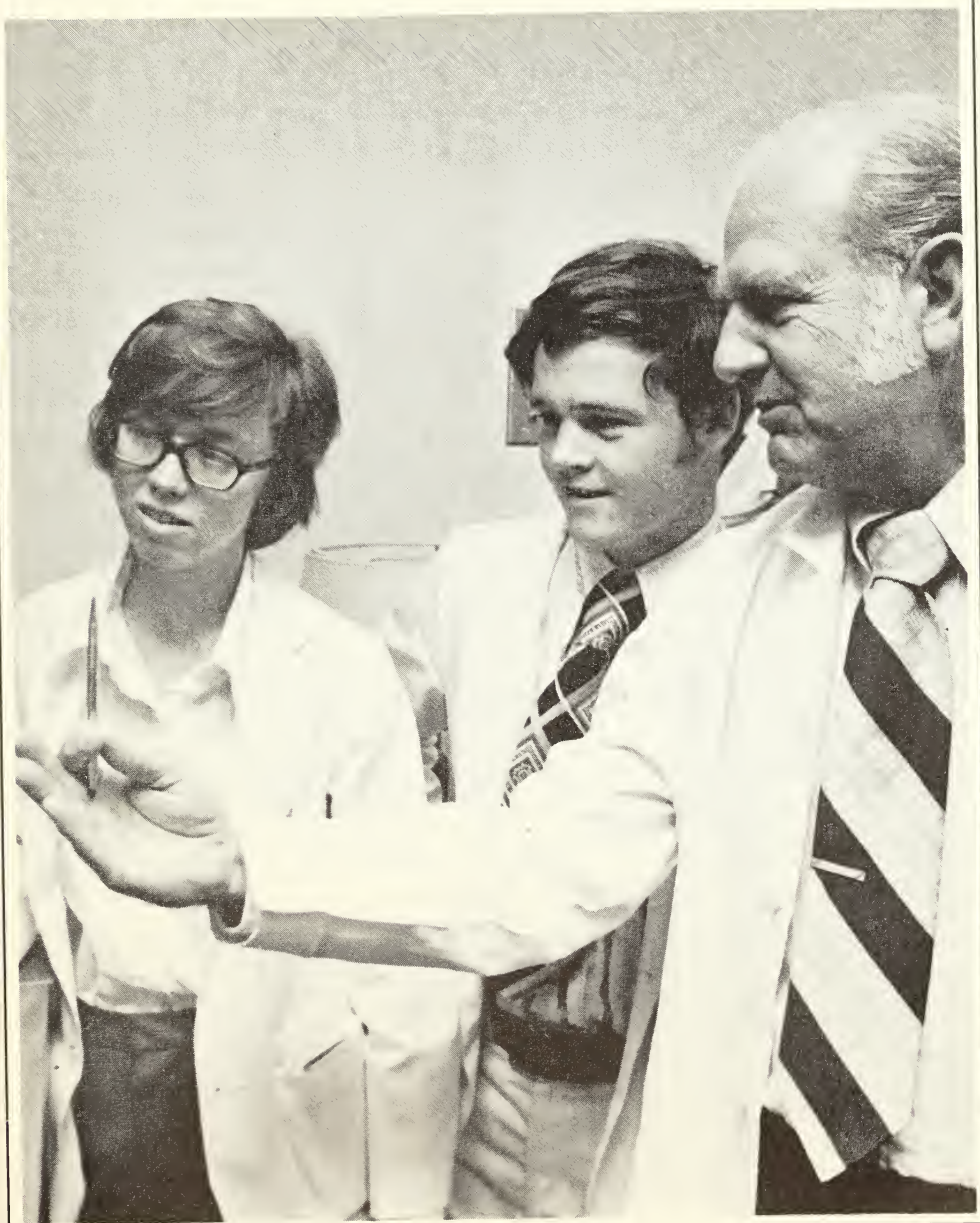
Sta 802. Multivariate Analyses. (3 hours. Prerequisite: Sta 801, Sta 601 or consent of instructor.)
Analysis of variance, multiple and partial regression, multiple and partial correlation.

Sta 803. Experimental Design And Parametric Vs Non Parametric Methods. (3 hours. Prerequisite: Sta 802, Sta 601 or consent of instructor.)
Non-linear regression, analysis of covariance, non-parametric statistics, miscellaneous methods and techniques, experimental design and analysis.

Special Course

Edu 940. The Management of Learning Activities. (4 hours.)
Theory and practice of management of learning activities; including setting objectives, planning and preparing learning activities, presetting the activity, and evaluating its effectiveness.

The School
of
Medicine



School of Medicine Calendar 1974-75

(Phase I)
First Quarter (14 weeks)

September 3-6, 1974	Orientation and Registration
Monday, September 9, 1974	Classes Begin
November 28—December 1, 1974	Thanksgiving
Friday, December 13, 1974	Classes End
December 14, 1974—January 1, 1975	Christmas Vacation

Second Quarter (10 weeks)

Thursday, January 2, 1975	Classes Begin
Friday, March 14, 1975	Classes End

Third Quarter (11 weeks)

Monday, March 17, 1975	Classes Begin
April 5—April 13, 1975	Spring Vacation
Monday, April 14, 1975	Classes Resume
Friday, May 30, 1975	Classes End

(Phase II)
First Quarter (15 Weeks)

September 3, 1974	Classes Begin
November 28—December 1, 1974	Thanksgiving
December 13, 1974	Classes End
December 14, 1974—January 1, 1975	Christmas Vacation

Second Quarter (10 Weeks)

January 2, 1975	Classes Begin
March 14, 1975	Classes End

Third Quarter (10 Weeks)

March 17, 1975	Classes Begin
April 5—April 13, 1975	Spring Vacation
April 14, 1975	Classes Resume
May 23, 1975	Classes End

Direct Patient Care Electives:
Electives so designated with a double asterick (**) throughout the Bulletin are *DIRECT PATIENT CARE ELECTIVES.* In *DIRECT PATIENT CARE* electives, the student functions as a house officer, being directly responsible for the care of patients. Students taking these electives will be subject to a "Housestaff" schedule which may take precedence over the student vacation or holiday schedule as outlined in the catalog for 1974-75:

(Phase III)
The following is the rotation schedule for Phase III for the academic year 1974-75:

	Begins	Ends	Weeks
June Rotation	June 17	July 14	4
July Rotation	July 15	August 11	4
August Rotation	August 12	September 8	4
September Rotation	September 9	October 6	4
October Rotation	October 7	November 3	4
November Rotation	November 4	December 1	4
December Rotation	December 2	December 18 (Wed)	2 & 3 days
Christmas Vacation	December 19	January 1	*
December Rotation (cont)	January 2	January 12	1 & 4 days
January Rotation	January 13	February 9	4
February Rotation	February 10	March 9	4
March Rotation	March 10	April 6	4
Spring Vacation	April 7	April 13	**
April Rotation	April 14	May 11	4
May Rotation	May 12	June 15	5

Part I National Board Examination— June 11-12
September 4-5
Part II National Board Examination—April 9-10
September 24-25
Flex Examination ..... June 11-12-13

*Christmas vacation as shown is for all Phase III students *except* those enrolled in a *DIRECT PATIENT CARE ELECTIVE* (designated ** in the Phase III Bulletin listing) for the December Rotation. Those students will follow a "Housestaff" schedule during this period. For purposes of *DIRECT PATIENT CARE ELECTIVES,* the Spring Vacation will be considered part of the March Rotation.

**There will be a one week vacation from April 7th through April 13th, 1975 for all Phase III students again with the exception for those students enrolled in a *DIRECT PATIENT CARE ELECTIVE.*

Phase II students would not begin their Phase III June Rotation until after Part I National Board Examination.

All additional holiday schedules will be at the discretion of the Departmental Chairman involved.

School of Medicine

Dean: Curtis H. Carter, M.D.
Associate Deans:
Lois Ellison, M.D.
Joseph P. Bailey, Jr., M.D.
Russell R. Moores, M.D.
Assistant Deans:
Richard Gillock
James Crimmins
Sam A. Threefoot, M.D.

The physician occupies a vital and honored position in today's increasingly sophisticated and complex society. Successful completion of requirements in the School of Medicine leads to the M.D. degree and a career dedicated to the maintenance of health and the alleviation and cure of disease. Opportunities include clinical practice, teaching and work in research.

Accreditation

The School of Medicine is accredited by the Association of American Medical Colleges in conjunction with the American Medical Association.

Admission Requirements

Policy

Admission policies as established by the Board of Regents of the University System of Georgia are the responsibility of the Admissions Committee, with consideration for the special requirements of the medical curriculum. The Committee is responsible for the acceptance of all students entering the first, second or third year classes. Admission with advance standing to the fourth year class is not ordinarily possible.

The applicant for admission to the School of Medicine is considered on the basis of academic ability and achievement, scores on the Medical College Admission Test, and assessment of individual potential for meeting society's health care needs as evaluated by the premedical adviser, two personal references, and Medical College faculty.

The Admissions Committee makes a searching effort to appraise the potential of individual applicants for accomplishment in medicine, both through the academic record and personal qualifications, as best they can be assessed. Although an analysis of factors which predict success is most difficult, the Committee feels that it must make an effort to evaluate the characteristics of "the track record" in terms of the individual's academic accomplishments and growth as an individual.

Academic Requirements

At least three years of work in an approved college.

The minimum requirement is 90 semester hours or 135 quarter hours. The three year college course, in both quality and quantity, must be acceptable as the equivalent of the first three years leading to the degree of Bachelor of Science or Arts in an approved college of arts and sciences. Preference is given to applicants who will have completed their baccalaureate degree.

An applicant may major in the discipline of his choice; however, he must complete the following:

Biology:

(a) One academic year of general biology or zoology (with laboratory).

(b) One academic year of general inorganic chemistry (with laboratory). Inclusion of quantitative chemistry is recommended.

Chemistry: One academic year of advanced chemistry, two quarters or one semester of which must be organic chemistry with laboratory. The other quarter or semester may be fulfilled by any advanced chemistry course (laboratory not necessary).

Physics: The number of academic terms of Physics (with laboratory) necessary to cover mechanics, heat, light, sound, electricity and magnetism.

English: One academic year of English or whatever portion of the academic year is required for the baccalaureate degree in an accredited college or university.

Note: One academic year equals three quarters, two semesters, or one semester and two quarters.

Premedical Electives

An understanding of man, contributory to the wise and solid practice of medicine, can be derived from many disciplines. Students are encouraged to pursue in-depth study in disciplines which are of real interest to them in addition to the required courses. The selection of the areas for in-depth study is not of primary concern to the Committee; many students select natural science as a primary emphasis and others select physical sciences or the humanities. Elective courses may be used to broaden the background of students applying to medical school.

Medical College Admission Test (MCAT.)

Applicants are required to take this examination and submit scores to the College as part of their application procedure. The test is given twice each year at most senior colleges. Information concerning it may be obtained from the premedical advisor in most colleges (or from Medical College Admission Test, The American College Testing Program, P. O. Box 168, Iowa City, Iowa 52240). The test must be taken by the student no later than Fall, 1973 for the class entering in Fall, 1974; however, if possible it is recommended that the test be taken in the spring of 1973. Information may be obtained from the Division of Student Affairs at MCG.

Physical Examination

A satisfactory health report must be submitted to the Office of Student Affairs.

Personal Interviews

Interviews with members of the Medical College faculty are held by invitation of the Admissions Committee after review of completed application. Such interviews are ordinarily required prior to acceptance.

References

An evaluation of the applicant is required from two persons, one of whom should be an individual active in one of the health professions.

In addition, an evaluation from the applicant's premedical advisor is required. Recommendations from other than these required sources are discouraged.

Application Procedure

The School of Medicine participates in the American Medical College Application Service (AMCAS), which means that application forms are issued by AMCAS upon receipt of an Application Request Card from the applicant. The Request Cards will be available after May 1, 1973, and can be obtained from the Office of Student Affairs, Medical College of Georgia, or from premedical advisors on most college campuses. The MCG deadline for filing applications (postmarked) with AMCAS for the entering class of September 1974, is December 1, 1973. Early application is urged by the Admissions Committee. No application fee in addition to the AMCAS fee is required.

Irregular Students

Faculty members holding doctorates in basic medical or biological sciences who wish to qualify for careers in full-time academic or clinical research may enroll as irregular students in special instances.

Requirements for admission as an irregular student are available from the Office of Student Affairs. Before final acceptance as an irregular student, applicants must obtain approval from the Dean of the School of Medicine for the proposed course of study.

The College assumes no responsibility for future curriculum changes which might alter such programs.

Admission with Advanced Standing

Applicants in good standing in accredited two or four year medical schools will be considered for admission to the appropriate advanced level of the curriculum when student space permits. Details should be obtained from the Office of Student Affairs.

Fees and Expenses

Estimated Student Expenses Per Academic Year (3 quarters)	First Academic Year	Second Academic Year	Third Academic Year	Fourth Academic Year
Matriculation Fee	900	900	900	900
Student Health Fee	30	30	30	30
Student Activities Fee	30	30	30	30
Books	275	200	200	200
Uniforms	25	25	25	25
Instruments	250	—	—	—
Microscope*	100	100	—	—
Housing**	390	390	390	390
Food	700	700	700	700
Personal	500	500	500	500
Total	3,200	2,875	2,775	2,775

NOTE: Matriculation Fee is $300.00 per quarter. Non-Resident Tuition (in addition to Matriculation Fee) is $300.00 per quarter. Student Activities Fee and Student Health Fee are each $10.00 per quarter.

*Cost estimate based on microscope rental plan offered by college.

**See General Information Section on available on-campus housing options and costs.

See General Information section for Hospitalization and Life Insurance costs.

Financial Aid

Additional information and an application form on which to apply for any assistance program administered by the College may be secured by writing the College Financial Aid Office.

Curriculum

During the first year the students study the structure and function of the human body through courses in anatomy, histology, embryology, cell and molecular biology, neurosciences, and physiology. Courses in humanities and behavioral sciences relate to the social, ethical and behavioral aspects of the individual. Microbiology and introduction to pathology are included in the first year curriculum. Contact with patients begins with physical diagnosis during the winter quarter of the first year.

The second year points toward clinical medicine with courses in pathology and pharmacology, genetics, community medicine, and laboratory medicine. Lectures in the "clinical sciences" provide the didactic basis for the major clinical blocks during the clinical years. Courses in radiology, anesthesiology, neurology and psychiatry are also given during the spring quarter. Interdepartmen-

tal cooperation and clinical relevance are stressed throughout the first two years.

In addition to the "core curriculum," two afternoons a week are assigned for electives during part of both the first and second years.

During Phase III of the curriculum, the student is required to take 72 weeks of Clerkships including five basic clerkships to provide adequate fundamental clinical grouping. The Department of Medicine is responsible for the twelve week medical clerkship. The eight week surgical clerkship is taught by the Department of Surgery, including the subspecialty divisions and the Department of Anesthesiology. In addition, a six week clerkship is taught by the Department of Obstetrics and Gynecology, a six week clerkship by the Department of Pediatrics and a four week clerkship by the Department of Psychiatry.

The balance of the third and fourth years is filled by elective courses which can be advanced clerkships in the various clinical departments, including Medicine, Surgery, Obstetrics and Gynecology,Psychiatry,Neurology,Pediatrics, Dermatology, Radiology, Anesthesiology and Family Practice, as well as electives in basic sciences. Research electives are available. Electives may also be taken in other institutions and community hospitals upon approval by the appropriate department of the School of Medicine and the faculty Curriculum Committee.

The biological sciences and clinical sciences are taught by various departments of the School of Medicine. Courses for students of the School of Medicine are listed in this section.

Close affiliation agreements are now being worked out with major community hospitals in the state of Georgia. It is probable that each student in the future will take a part of his clinical core curriculum in one of these hospitals.

Required Clerkships—Phase III

Med 500. Basic Clerkship in Medicine.
A three month medical clerkship intended to provide a basic grounding for clinical medicine. It is organized to help students learn to obtain and evaluate information regarding patients by participating in the health care team. The clerkship emphasizes basic approaches to solving problems presented by illness, particularly in the realm of internal medicine.
(Scheduled June, September, December, March)

Obg 500. Clinical Reproductive Biology.
This required basic clerkship of six weeks duration combines inpatient and outpatient experience in human reproduction and in disorders of the female reproductive system. The student will spend three weeks on the obstetric service and three weeks on the gynecology service at the teaching hospital. Outpatient experience will be at Torpin Clinic, Richmond County Health Department and other health departments during the entire six weeks.

Ped 500. Basic Clerkship in Pediatrics.
A six weeks pediatric clerkship to provide basic grounding in child health and human development. It is organized to help students develop skills in pediatric history taking and physical diagnosis and in the interpretation of laboratory findings in the various age groups, including infancy. Experience will

be gained in the approach to children's health problems in a wide variety of settings, including nursery, ward and outpatient clinics. The recognition of normal developmental patterns as well as the impact of age in the expression of disease will be emphasized.
(Scheduled June through May)

Psy 500. Basic Psychiatry.
This required clerkship will provide the student with intensive experience with psychiatric inpatients. With collaboration and guidance of the staff, he will do a complete work-up on assigned patients, including physical examination, mental status and psychodynamic case formulation. He will then proceed with treatment with emphasis on supervised psychotherapy, but including medication and other therapies as indicated.
(Scheduled June through May)

Sur 500. Clinical Surgery. (Including Anesthesiology and Emergency Medicine)
This eight week course is the basic course required of all students and is the prerequisite for many surgical electives involving contact with patients. Instruction includes basic concepts of Emergency Medicine and Anesthesiology. Students are assigned patients in General Surgery for total patient care participation, including complete write-ups and participation in operative procedures. They take part in ward rounds, conferences, tumor conferences, journal club, seminars and informal discussions. Student activities involve both inpatients and outpatients. The course includes "Surgical Techniques", an exercise in which students perform standard operations on anesthetized animals.
(Scheduled June through May)

Elective Curriculum

Anatomy

Acting Chairman: Thomas F. McDonald, Ph.D.

Anm 501. An Analysis of Ultrastructure. (Special Elective)

Anm 320. Survey of Human Anatomy and Physiology I. (5 hrs. credit) (Fall)
This course consists of a survey of basic cellular structure and function, cellular organization into tissues and the body as a whole as the first of three units. The second unit consist of the musculo-skeletal systems and their functions. To complete this course the integration and control of the body is introduced with a survey of the nervous system, sense organs and the endocrine system. Four hours of lecture and two hours of lab are presented weekly.

Anm 321. Survey of Human Anatomy and Physiology II. (5 hrs. credit) (Winter)
In this course the anatomy and physiology of the circulatory, respiratory, digestive, urinary and reproductive systems are covered. The physiology of fluid, electrolyte and acid-base balance and stress are surveyed in this course. Four hours of lecture and two hours of lab are presented weekly.

Anm 330. Basic Gross Anatomy. (6 hrs. credit) (Fall)
This is an indepth study of the structures of the human body. Special emphasis is given to the extremities. The course consists of approximately 3 hours of lecture per week and 9 hours of laboratory. The laboratory exercise consists of complete dissection of the human

cadaver, study of models and examination of X-rays.

Anm 331. Basic Neuroanatomy. (5 hrs. credit) (Winter)
This is an indepth study of the central nervous system structures and the components of peripheral nerves. Approximately 3 hours of lecture and 6 hours of laboratory are given weekly. The laboratory exercise consists of dissection of the human brain and spinal cord, the use of Kodachrome slides of nervous structures, and mounted sections of brain tissue.

Anm 335. Clinical Anatomy. (6 hrs. credit) (Fall)
This course consists of a survey of gross, neuro, and histological anatomy which is relevant to the physical diagnostic approach to the patient. Approximately 3 hours of lecture and 6 hours of laboratory are presented weekly. Laboratory consists of examination of prosected human material, anatomical models and X-rays.

Anesthesiology

Chairman: Z. W. Gramling, M.D.

Ans 501. Anesthesiology Four Week Clerkship.

Basic elective in clinical anesthesia. Management of the patient before, during and after anesthesia under supervision of faculty. Lectures, seminars and conferences on shock, inhalation therapy, anesthetic agents, techniques and management of complications.

Ans 502. Anesthesiology Research Fellowship. (Special Elective)
Clinical research experience in analgesics for postoperative pain and blood gas studies in ventilatory and respiratory problems during or after anesthesia.

Ans 503. Anesthesiology Two Month Clerkship. (Special Elective)
Closely supervised clinical experience in the administration of anesthesia. Experience similar to that of a resident beginning training. Attendance at all scheduled teaching conferences and seminars.

Ans 504. Anesthesiology Preceptorship. (Special Elective)
Clinical experience in Anesthesiology in an off-campus hospital approved by the Chairman of the Department of Anesthesiology.

Cell and Molecular Biology

Chairman: Edward Bresnick, Ph.D.

Cmb 244 & 345. Survey of Inorganic Chemistry. (Fall) 5 Quarter hours

Cmb 345. Survey of Biochemistry (Winter) 5 Quarter hours

Cmb 501. Topics in Biochemistry, Microbiology and Experimental Oncology. (Special Elective)

Cmb 502. Disorders of Metabolism. (Special Elective)

Cmb 503. Experimental Virology. (Special Elective)

Cmb 504. Bacterial Genetics. (Special Elective)

Dermatology

Chairman: J. Graham Smith, Jr., M.D.

Der 501. Dermatology Clinical Clerkship. (1 month)

Endocrinology

Chairman: Virendra B. Mahesh, Ph.D.

End 501. Elective in Clinical Endocrinology.

End 502. Research in Endocrinology. (Special Elective)

Family Practice

Chairman: William E. Lotterhos, M.D.

Announced courses:

Acute Care
Anesthesiology
Basic Sciences Refresher Course
Behavioral Sciences in Medicine
Care of Chronically Ill
Critical Evaluation of Medical Literature
Dental Diseases
Doctor-Patient Relationship
Genetics
Human Sexuality Counseling
Interpretation of EKGs
Medicine & Law
Nutrition
Office Management
Paramedical Resources & Patient Care
Pharmacologic Agents in Therapy
Physical Diagnosis—Problem Oriented
Public Health & Community Medicine
Public Speaking
Problem Oriented Medical Records
Community Medicine
Electives

PHASE I ELECTIVES
Community Medicine: Computers in Medicine
Epidemiologic Evaluation of Health Problems and Medical Care
Determining the Validity of Medical Information

PHASE II ELECTIVES
Diagnostic Anatomy in Family Practice
Medicine with Continuity I
Medicine with Continuity II
Determining & Validity of Medical Information

PHASE III ELECTIVES
Fmp 501—Family Practice & Cardiovascular Disease
Fmp 502—Community Medicine Training in Other Institutions
Fmp 503—Automative Assistance in the Development of Health Care
Fmp 504—Introduction to Group Practice
Fmp 505—Experience in Epidemiologic Research
Fmp 506—Preceptorship—Family Practice
Fmp 507—Evaluation of Health Problems & Medical Care

Medicine

Chairman: Alfred Jay Bollet, M.D.

Med 500. Basic Medical Clerkship (3 months)

Med 501. Substitute Internship, V.A. Hospital. (1 month)

Med 502. Substitute Internship, V.A. Hospital. (2 months)

Med 503. Substitute Internship, University Hospital. (1 month)

Med 504. Substitute Internship, University Hospital. (2 months)

Med 505. Substitute Internship, U.S. Army General Hospital, Fort Gordon. (1 month)

Med 506. Substitute Internship, U.S. Army General Hospital, Fort Gordon. (2 months)

Med 507. Rheumatology, Talmadge Hospital. (1 month)

Med 508. Rheumatology, Talmadge Hospital. (2 months)

Med 509. Hematology, Talmadge Hospital. (1 month)

Med 510. Hematology, V.A. Hospital. (1-2 months)

Med 511. Metabolic and Endocrine Disease, Talmadge Hospital. (1 month)

Med 512. Metabolic and Endocrine Research, Talmadge Hospital or V.A. Hospital. (1 to 3 months)

Med 513. New Concepts in Diagnosis and Treatment of Hypertension. (2 months)

Med 514. Nephrology, Talmadge Hospital. (1 month)

Med 515. Clinical Cardiology, Talmadge Hospital. (1 month)

Med 516. Cardiology: Clinical Hemodynamics, Talmadge Hospital. (1 or 2 months)

Med 517. Cardiology, U.S. Army General Hospital, Fort Gordon. (1-2 months)

Med 518. Cardiology, V.A. Hospital (2 months)

Med 519. Gastroenterology, Talmadge Hospital. (1 month)

Med 520. Further studies in Gastroenterology, Talmadge, V.A. Hospital. (1, 2, or 3 months)

Med 521. Gastroenterology, V.A. Hospital. (1 month)

Med 522. Medical Chest, Talmadge Hospital. (1 month)

Med. 523. Medical Chest, V.A. Hospital. (1 month)

Med. 524. Infectious Disease, Talmadge Hospital. (1 month)

Med 525. Clinical Oncology, Talmadge Hospital. (1 month)

Med 526. Lipid Metabolism and Nutrition. (1 month)

Med 527. Electronics as applied to Medicine, Talmadge Hospital. (1 month)

Med 528. Preceptorship in Internal Medicine. (1 month)

Med 529. Preceptorship in Renal Medicine. (1 month)

Med 530. Off-campus Elective. (1 or 2 months)

Med 531. Research Elective in Medicine. (2 months, or longer or arrangement)

Med 532. College Health, University of Georgia, Athens, Ga. (1 to 3 months)

Med 533. Physical Medicine (Rheumatology), Warm Springs, Ga. (1 month)

Med 534. Community Hospital Elective, Columbus, Dublin or Waycross. (1 or 2 months)

Med 535. Advanced Clerkship, Savannah Memorial Hospital, Savannah, Ga. (1 or 2 months)

Med 536. Gastroenterology, Macon Hospital, Macon, Ga. (1 or 2 month)

Med 537. Advanced Clerkship, Macon Hospital, Macon, Ga. (1 or 2 months)

Med 538. Advanced Clerkship, Georgia Baptist Hospital, Atlanta, Georgia. (1 or 2 months)

Med 539. Outpatient and Emergency Medicine, Fort Gordon. (1 or 2 months)

Neurology

Chairman: Joseph B. Green, M.D.

Neu 501. Basic Clerkship in Neurology.
Students participate in the care of inpatients and selected outpatients. Organized teaching

activities include daily ward rounds and weekly clinical neuroscience conference, pediatric neurology clinical case conference and neuroradiology conference. Specifics of rotation can be arranged with Dr. J. B. Green.

Neu 502. Advanced Clerkship in Adult Neurology.
NEU 503.
NEU 504.
The activities are similar to those in the Basic Neurology Clerkship except that there is more opportunity for an in-depth experience. Those in these clerkships will be given increasing responsibilities for patient care and more opportunity for clinical, basic and library research. Specifics of rotation can be arranged through Dr. Joseph Green.

Neu 505. Basic Clerkship in Pediatric Neurology.
The student will be exposed to common pediatric-neurological problems which include the differential diagnosis of CNS degenerative diseases, convulsive disorders, CNS metabolic disorders, mental retardation, birth defects, learning disorders and neuromuscular problems. Specifics of rotation can be arranged through Dr. Paul Dyken.

Neu 506. Advanced Clerkship in Pediatric Neurology.
NEU 507.
The activities in this elective are similar to those in the Basic Clerkship in Pediatric Neurology except that there is more flexibility and more opportunity for an in-depth experience in Pediatric Neurology. Whereas NEU 505 is located at ETMH only, the advanced clerkships will offer considerable experience at the University and Gracewood hospitals. To be arranged through Dr. Paul Dyken.

Neu 508. Preceptorship in Neurology. (Special)
NEU 509.
From one to three months of tutorial study and/or investigation of a subject in depth may be arranged with any faculty member of the Department of Neurology. (Dr. Joseph Green)

Neu 510. Advanced Tutorial in Neurology. (Special)
NEU 511.
NEU 512.
The student will have an opportunity to evaluate and participate in the management of patients seen in the private practice of neurology and pediatric neurology in the Augusta, Savannah or other areas around the country by special arrangement with a known preceptor and the Chairman of the Department of Neurology.

Obstetrics and Gynecology

Chairman: William A. Scoggin, M.D.

Obg 501. Off-Campus Elective in Clinical Ob-Gyn. (Special Elective)

Obg 502. Obstetrics and Gynecology. (University Hospital) (1 month)

Obg 503. Obstetrics and Gynecology. (University Hospital) (2 months)

Obg 504. Obstetrics and Gynecology. (Ft. Gordon) (1 month)

Obg 505. Obstetrics and Gynecology. (Ft. Gordon) (2 months)

Obg 506. Clinical Elective. Athens, Ga. (1-2 months)

Obg 507. Clinical Elective. Columbus, Ga. (1-2 months)

Obg 508. Clinical Elective. Macon, Ga. (1-2 months)

Obg 509. Clinical Elective. Savannah, Ga. (1-2 months)

Obg 510. Clinical Elective. Jacksonville, Fla. (1-2 months)

Ophthalmology

Chairman: Malcolm N. Luxenberg, M.D.

Oph 501. Ophthalmology Clerkship.

Oph 502. Ophthalmology Research Elective. (Special Elective)

Oph 503. Ophthalmology Off-Campus Experience. (Special Elective) 1-2 months

Pathology

Acting Chairman: J. Graham Smith, M.D.

Pth 501. Anatomic Pathology. (Special Elective)

Pth 502. Current Autopsy Case Studies. (Special Elective)

Pth 503. Experimental Thrombosis. (Special Elective)

Pth 505. Research in Histochemistry. (Special Elective)

Pth 506. University Hospital Pathology Laboratory. (Special Elective)

Pth 507. Experimental Cancer Research. (Special Elective)

Pth 508. Nuclear Medicine. (Special Elective)

Pth 509. Surgical Pathology. (Special Elective)

Pth 510. St. Francis' Pathology Laboratory (Columbus, Ga.). (Special Elective)

Pth 511. Athens General Hospital Pathology Laboratory (Athens, Ga.). (Special Elective)

Pth 512. Newberry County Hospital Pathology and Radiology Laboratory (Newberry, S.C.). (Special Elective)

Pth 513. Upson County Hospital Pathology and Radiology Laboratory (Thomaston, Ga.). (Special Elective)

Pth 514. Charlotte Memorial Hospital Pathology Laboratory (Charlotte, N.C.). (Special Elective)

Pth 515. Norfolk General Hospital Pathology Laboratory (Norfolk, Va.). (Special Elective)

Pth 516. Teaching Elective in General and Special Pathology. (Special Elective)

Pth 517. St. Joseph's Hospital Pathology Laboratory (Atlanta, Ga.). (Special Elective)

Pth 518. Laboratory Microbiology. (Special Elective)

Pth 519. Clinical Chemistry. (Special Elective)

Pth 520. Hematology and Hematopathology. (Special Elective) tive)

Pth 521. Immunohematology and Blood Banking. (Special Elective)

Pth 522. General Laboratory Medicine. (Special Elective)

Pth 523. Cardiac Pathology. (Special Elective)

Pediatrics

Chairman: Alex F. Robertson, M.D.

Ped 501. Pediatric Clerkship. (1 month)

Ped 502. Neonatology Clerkship and Newborn Follow-Up. (1 month)

Ped 503. Ft. Gordon Pediatric Clinic. (1 month)

Ped 504. Off-Campus Clerkship. (Special Elective) (1 month)

Ped 505. Pediatrics Preceptorship. (Special Elective) (1 month)

Ped 506. Comprehensive Child Health. (Children & Youth) (1 month)

Ped 507. Pediatric Clerkship at Gracewood. (1 month)

Ped 508. Multidisciplinary Approach to the Child with a Birth Defect.

Ped 509. Pediatric Hematology. (1 month)

Ped 510. Pediatric Neurology. (1 month)

Ped 511. Pediatric Cardiology. (1 month)

Ped 512. Pediatric Infectious Diseases. (1 month)

Ped 513. Clinical Allergy and Immunology. (1 month)

Ped 514. Respiratory Illness in Children. (1 month)

Ped 515. Substitute Pediatric (Intern.) (1-4 months)

Ped 516. Pediatric Research. (Special Elective). (1 month)

Ped 517. Clinical Investigation. (Special Elective)(1 month)

Ped 518. University Hospital Outpatient Clinic Care

Pharmacology

Chairman: Raymond P. Ahlquist, Ph.D.

Phm 501. Toxicology. (Special Elective)

Phm 502. Adrenergic Pharmacology. (Special Elective)

Phm 503. Preparation of Frozen Sperm, Blood and Other Tissues for Clinical Use. (Special Elective) (1 month)

Physiology

Chairman: Robert C. Little, M.D.

Phy 501. Special Electives in Physiology. (Topics and times to be arranged)

Phy 502. Cardiovascular—Renal Physiology. (Special Elective)

Phy 550. Medical Physiology I. (Second Quarter)

Phy 551. Medical Physiology II. (Third Quarter)

Psychiatry

Chairman: E. J. McCranie, Ph.D., M.D.

Psy 501. Behavioral Therapy Research Elective (Special Elective)

Location	ETMH
Enrollment	1 Minimum 4 Maximum
Prerequisites	None

Duration	One to Three Months
Months Offered	By Arrangement

Training and research in various aspects of behavioral psychotherapy, including hypnosis, conditioning, and desensitization techniques.

Psy 502. General Psychiatry Tutorial (Special Elective)

Location	ETMH
Enrollment	By Arrangement
Prerequisites	None
Duration	One to Two Months
Months Offered	By Arrangement with either

Psy 503. Clinical Clerkship—Fort Gordon (Special Elective)

Location	Fort Gordon
Enrollment	1 Minimum 3 Maximum
Prerequisites	None
Duration	One or Two Months
Months Offered	June through May by Arrangement

Supervised case workers and treatment of psychiatric inpatients or outpatients or patients in the Drug and Alcohol Program. Various treatment modalities are utilized, including individual and group psychotherapy, psychopharmacologic treatment, Half Way House.

Psy 504. Psychophysiology Research Elective (Special Elective)

Location	ETMH
Enrollment	By Arrangement
Prerequisites	None
Duration	One Month
Months Offered	By Arrangement

Research in general areas of learning perception, psysiological assessment of autonomic nervous system reactivity, psychiatric disorders, psychopharmacology.

Psy 505-506 Adolescent Psychiatry

Location	ETMH
Enrollment	1 Minimum 2 Maximum
Prerequisites	None
Duration	505 1 Month 506 2 Months
Months Offered	June through May

This clerkship will provide experience with inpatient and outpatient adolescents.

Psy 507-508. Child Psychiatry

Location	ETMH
Enrollment	1 Minimum 3 Maximum
Prerequisites	None
Duration	507 1 Month 508 2 Months
Months Offered	June through May

Guided experience, reading and research related to the child (age 11 or under) having behavioral, learning or developmental difficulties will be provided.

Psy 509. Clinical Clerkship (Special Elective)

Location	Central State Hospital, Milledgeville, Ga. Regional State Hospital, Augusta, Ga. VA Hospital in Augusta, Georgia W. S. Hall Psychiatric Institute, Columbia, S.C.
Enrollment	By Arrangement
Prerequisites	None
Duration	Two Months
Months Offered	By Arrangement

These clerkships provide supervised experience in the evaluation

and treatment of people with a variety of psychiatric disorders, supplemented by conferences and didactic instruction.

Psy 510. Psychotherapy and Other Modes of Treatment

(Special Elective)	ETMH, Georgia
Location	Regional
Prerequisites	Psy 500
Duration	Two Months
Months Offered	July through May

This elective will stress various therapeutic techniques including psychotherapy, drug and various organic therapies involving adults, adolescence and possibly children. Due to the fact that this elective involves primary patient care it will be impossible to include vacation time.

Psy 512. Alcohol and Drug Abuse

Location	ETMH (and others to be specified)
Enrollment	2 Minimum 6 Maximum
Prerequisites	None
Duration	Two Months
Months Offered	June on

Varied clinical experience with drug and alcohol problems at several facilities; selected reading list, several psychiatrists and other disciplines will supervise the experience.

Psy 513. Off-Campus (Special Elective)

Location	By Arrangement
Enrollment	By Arrangement
Prerequisites	None
Duration	One Month
Months Offered	By Arrangement

Psy 514. Medical Sociology (Special Elective)

Location	ETMH
Enrollment	By Arrangement
Prerequisites	None
Duration	One to Two Months
Months Offered	By Arrangement

An examination of the nature of sociological and sociopsychological processes (valve formation; role differentiation; socialization; power, influence and control; interpersonal perception; social conflict). The concepts and principles derived from the study of interaction among doctors, patients, allied health personnel, and the surrounding socio-cultural environment.

Radiology

Chairman: Mark Brown, M.D.

Rad 501. Radiology. (one month)

Rad 502. Radiobiology. (Special Elective) (1 month)

Rad 503. Radiobiology. (Special Elective) (2 months)

Rad 504. Advanced Clerkship in Diagnostic Radiology. (Special Elective) (1 or 2 months)

Rad 505. Off-campus Elective. (Special Elective) (1-3 months)

Rad 506. Radiology Preceptorship. (Special Elective) (1 month)

Rad 507. Clerkship in Radiation Therapy. (Special Elective) (1-2 months)

Rad 508. The Business Aspects of Medical Practice. (Special Elective) (1 month)

Rad 509. Nuclear Medicine (Special Elective)

Surgery

Chairman: Arlie R. Mansberger, M.D.

General Surgery

Sur 501. Clerkship. Working with patients in preoperative, intraoperative and

postoperative care, and participating in all regularly scheduled teaching, patient care and research conferences of General Surgery.

Sur 502. Research Elective. (Special Elective)
An area of mutual interest to the student and his supervisor will be selected and the student will outline his research project, carry it out under supervision and submit a report of his work toward the end of the project.

Sur 503. Tutorial. (Special Elective)
Individual students may elect to study in depth, for a period of one to two months, any specific area in surgery under the guidance of the faculty member most familiar with that specific area. A thesis or report on the subject chosen is a necessary part of this elective.

Sur 504. Preceptorship. (Special Elective)
Clinical experience with individual private practice preceptor, in his office, operating room and hospital.

Sur 505. Off-Campus Experience. (Special Elective)
An off-campus experience in some phase of surgery in some other medical school or institution for a period of one to two months.

Sur 506. Special Surgical Clerkship.
Designed to introduce the student in some depth to several areas of surgery. Two week rotations, with an occasional four week rotation, are available in: 1) Emergency Room (U.H.); 2) General Surgery; 3) Neurosurgery; 4) Ophthalmology; 5) Orthopedics; 6) Thoracic/Cardiac; 7) Urology and 8) Anesthesiology.

Sur 507-508. Kidney Transplantation.
Students will assist with care of patients having renal transplants.

Sur 509. The Burn Wound: Some Physiologic and Biophysical Aspects. (Special Elective)
A study of the burned wound, its permeability and a study of those chemical components of the wound surface which are of clinical importance.

Sur 510. Emergency Room. (University Hospital).
Four-week elective in emergency room (U.H.) as available after meeting needs of Sur 506. Active participation in care of patients in U.H. Emergency Department.

The Department of Surgery has six divisions. They are General Surgery, Neurosurgery, Otolaryngology, Orthopedics, Thoracic/Cardiac and Urology. Each division offers a clerkship, a research elective, a tutorial elective, a preceptorship and most offer an off-campus elective. The description of the content of the elective is the same as that for General Surgery.

Sur 511. Surgery Clerkship. (General Surgery) (1 or 2 months) months

Sur 512. Surgery Clerkship. (Emergency Room) (1 or 2 months)

Neurosurgery

Chief: Marshall B. Allen, Jr., M.D.

Sur 513. Neurosurgery Clerkship.

Sur 514. Neurosurgery Research Elective. (Special Elective)

Sur 515. Neurosurgery Tutorial. (Special Elective)

Sur 516. Neurosurgery Preceptorship. (Special Elective)

Sur 517. Neurosurgery Off-Campus Experience. (Special Elective)

Sur 518. Neurosurgery Elective at University Hospital. (1-2 months) Special Elective

Otolaryngology

Chief: George W. Thurmond, M.D.

Sur 521. Ear, Nose, Throat. (1 month)

Sur 522. Otolaryngology Surgery. (1 or 2 months)

Orthopedics

Chief: Floyd E. Bliven, M.D.

Sur 531. Orthopedic Clerkship.

Sur 532. Orthopedics Research Elective. (Special Elective)

Sur 533. Orthopedics Tutorial. (Special Elective)

Sur 534. Orthopedics Preceptorship. (Special Elective)

Sur 535. Orthopedics Off-Campus Experience. (Special Elective)

Sur 536. Hand Surgery. (Special Elective)

Thoracic and Cardiac

Chief: Robert G. Ellison, M.D.

Sur 551. Thoracic and Cardiac Clerkship.

Sur 552. Thoracic and Cardiac Research Elective. (Special Elective)

Sur 553. Thoracic and Cardiac Tutorial. (Special Elective)

Sur 554. Thoracic and Cardiac Preceptorship. (Special Elective)

Urology

Chief: Roy W. Witherington, M.D.

Sur 561. Urology Clerkship.

Sur 562. Urology Research Elective. (Special Elective)

Sur 563. Urology Tutorial. (Special Elective)

Sur 564. Urology Preceptorship. (Special Elective)

Sur 565. Urology Off-Campus Experience. (Special Elective)

Sur 566. Urology (at VA Hospital Special Elective)

Pediatric Surgery

Chief: Robert A. Parrish, M.D.

Sur 651 Pediatric Surgery
(Externship)
(Special Elective)
Pediatric Surgery Elective, a one month externship offered to those completing the Surgery Core. Designed to introduce the student to the fundamentals in the clinical care of the pediatric surgical patient.

Curriculum Bulletin

The courses offered are not limited to those listed above, and new courses are frequently introduced into the curriculum. It is possible that some of the courses listed may be withdrawn from the curriculum with the approval of the Curriculum Committee and the Dean of the School of Medicine. Course descriptions can be found in the Phase III Curriculum Bulletin, a copy of which may be obtained by

writing to the Curriculum Office, School of Medicine.

Scholarship and Promotion

Promotion of students from one year to the next is dependent upon the satisfactory completion of each year's work. Promotions are considered on the basis of recommendations by individual instructors, on department evaluations and on students' total records, including performance on Parts I and II of The National Board Examinations.

The faculty has the obligation and right to determine the methods of evaluation by performance or by examination and to evaluate each student individually. Comprehensive oral examinations may be scheduled at the end of the second and fourth years on the advice of the Promotion Board.

Classification of students: In the School of Medicine, students are classified as first year, second year, third year or fourth year.

Criteria for Promotion and Graduation

I. Required Courses

A. In order to be promoted or graduated, a student must have a grade of 2 or better in every required course. See following section for interpretation of grades, 4, 3, 2, 1 and 0.

B. A grade of 1 in any required course necessitates satisfactory completion of remedial work within a specified time to raise the grade to a passing grade, such work to be determined by the department giving the grade.

C. In Phases I and II, if a student has grades of less than 2 in as much as 25% of the year's work on 0 in 10%, the Promotions Committee will decide whether,
   (1) Remedial work is possible
   (2) To recommend the student repeat all or part of the year's work
   (3) To recommend the student be dismissed from school,

   The percentage of the academic year's work will be determined by the registrar's office based on a curriculum inventory of the total number of hours.

In Phase III, in the case of a required clerkship where it is possible to repeat the course without repeating the entire year, a 0 must be removed by repeating the clerkship (even if less than 10% of year's work).

II. Electives

At the end of Phases I, II and III, a student must have a grade of 2 or better in each elective course taken to satisfy the prescribed number of elective hours required for the phase in which the student was enrolled. A grade recorded as "pass" is equivalent to a 2 or better. If a student receives a grade of 1 or 0 or "fail" in an elective and does not either repeat the elective or do remedial work to raise the grade, the student will receive no credit for the elective. The student will have to take additional electives and pass them with a grade of at least 2 or "pass" in order to satisfy the prescribed number of elective hours.

For graduation a student must have a cumulative (or total) elective average for Phases I, II and III of 2.0 or better based on all elective grades (both passing and failing grades). The total elective average

is an internal calculation and does not become part of the students permanent record. Calculation of a total elective grade for Phases I, II and III before graduation will only be necessary for students with elective grades of 1 or 0 on their record.

III. Requirements on National Board Examination, Parts I and II

A student must satisfy requirements for the National Board Examination, Parts I and II, for A and B listed below:

A. Promotion from Phase II to Phase III—Part I
B. Graduation—Part II

Interpretation of Grades

4—Outstanding
Superior performance
3—Good
Commendable performance, work of good quality
2—Satisfactory
Acceptable performance, a definitely passing grade with no reservations
1—Marginal
A grade that indicates this student has not met the minimal performance in this area and that additional experience and demonstration of learning will be required if this subject is specifically required for graduation. No credit.
0—Not passing
Failing and unsatisfactory work.

OTHER PROGRAMS AND ADMINISTRATIVE PROCEDURES

Student Responsibilities & Judicial Procedures

Student discipline at the College is the responsibility of the President and his administrative staff. Students will be liable for disciplinary action should they fail to act in a manner of credit to themselves, the College and the medical profession.

Honor System

Every medical student is expected to maintain a high degree of personal integrity and honor, not only during his years on the campus, but also throughout his practice as a physician. In recognition of this obligation, each student is expected to subscribe to an honor code established by the students of previous years. The Honor Court is composed of twelve regularly enrolled students, with four members from each the fourth, third, and second year classes. A copy of the Honor Code is distributed to freshmen during orientation.

Student Affairs Committee

The Student Affairs Committee of the School of Medicine acts as an advisory committee to the Dean in student and faculty relations. The Committee consists of the chairman to be nominated and appointed in accordance with the policies for General Faculty Com-

mittees; one faculty member to be elected by the students from each of the four classes; Associate Dean for Curriculum, ex officio; Director of Student Affairs, ex officio; the student members shall include the President of each class, the President of the Student American Medical Association and the School of Medicine representative to Organization of Student Representatives of the AAMC.

Alpha Omega Alpha

A chapter of this honorary scholastic fraternity in medicine was established at the College in 1926. Each year students of the third and fourth year classes are nominated on the basis of both peer and faculty recommendations and academic excellence. Elections are held by active members of the chapter.

Special Programs

Guest Lecturers

Throughout the year, distinguished physicians and scientists from other schools and from overseas visit the various departments of the Medical College of Georgia and participate in the departmental teaching programs.

Distinguished lecturers address the whole school each year.

In addition, the following special lectureships are held: (1) The Aaron Brown Memorial Lecture, sponsored by Phi Delta Epsilon Fraternity; (2) The Alpha Omega Alpha Honor Fraternity sponsors two lectures annually (Student Honors Day occurs with the spring lecture); (3) The Sydenstricker Lecture, in honor of the late Dr. Virgil P. Sydenstricker, a distinguished member of the faculty for many years, sponsored by the Student American Medical Association.

Research Fellowships

The Medical College of Georgia has a limited number of summer research fellowships in which students work closely with faculty investigators on specific problems.

This is an elective, but an important component of the students' educational experience, allowing them to participate in research and to develop an understanding of the methods, philosophies and problems involved.

Interested students should contact department directly.

Affiliated Hospitals Program

The School of Medicine has developed a number of affiliations with community hospitals around the State of Georgia. These affiliations are aimed primarily at widening the educational experiences of our students by providing them with educational opportunities in general medicine and the specialty fields at the affiliated community hospitals. By participating in these training programs the student will gain experience, insight, and perspective into the practice of high quality medical care as it exists in private practice and these community hospitals.

The required clerkships in clinical medicine are organized to make optimal use of the clinical facilities in the Augusta area. These clerkships accordingly are situated in the teaching hospital, the University Hospital (city-county hospital), the Veterans Administration Hospital and the Georgia Regional Hospital.

Elective programs in community hospitals and the family practice preceptorships are available to students who have completed the nine months of required clerkships in the Phase III Curriculum. A total of four months of elective training may be spent in community hospitals or off-campus preceptorships. Electives are available in Savannah at the Memorial Medical Center; in Columbus at the Medical Center; the Macon Hospital in Macon, and the county hospitals located in Dublin and Waycross, Ga., and Newberry, S.C. In Augusta, electives are available at the University Hospital, at the Fort Gordon Army Hospital, and the Veterans Hospitals.

Experimental Curriculum

During the 1970-71 and 71-72 school year, an experimental curriculum in the Basic Medical Science was tried. The experiment used patient problems to introduce all basic science material and emphasized problem solving. Several successful aspects of the initial experiment have been incorporated into the regular curriculum.

A second experimental curriculum is being planned to begin in the fall of 1973. It will be a self-contained 3 year patient-problem oriented curriculum developed around primary medical care programs and family practice. Early patient contact, self-instructional materials, the problem oriented medical record and computer assisted learning will be prominent features of the program.

Student participation will be on a voluntary basis.

Postdoctoral Training Programs

The College has internship and residency programs which have been approved by the Council on Medical Education and Hospitals of the American Medical Association. The teaching hospital of the College, Eugene Talmadge Memorial, is the parent hospital for these programs but integration and/or affiliation with the University Hospital, Augusta; the Veterans Administration Hospitals, Augusta; Battey State Hospital, Rome; Georgia Regional Hospital, Augusta, and the Macon Hospital, Macon, may be included. A brief outline of the various training programs is given below. Applicants seeking residency training may apply either to the departmental chairman or to the Director of Hospital & Clinics.

Internships

Chairman of Internship Advisory Committee: James B. Hudson, M.D.

Chairman of Intern Selection Committee: Dr. Jennifer Johnson

(Applicants should register with the National Intern Matching Program, 2530 Ridge Avenue, Evanston, Illinois 60201.)

Medicine

Professor and Chairman: Alfred Jay Bollet, M.D.

The Medical Internship is a straight service consisting of eight months on the general Medical Wards, one

month in the Emergency Room (at the University Hospital) and three months elective.

Obstetrics and Gynecology

Professor and Chairman: William A. Scoggin, M.D.
Four rotating internships are offered by the Department of Obstetrics and Gynecology. The internships have a mandatory assignment of at least four months of Obstetrics-Gynecology and four months of Medicine. For those interns who elect to continue their training in this department, the internship serves as the first year of our four year program in Obstetrics and Gynecology.

Pathology

The straight internship in Pathology is offered to recent graduates whether or not they have decided about later training. The intern's experience is like that of a first-year resident. His study of human disease is excellent preparation for any clinical field. If he decides to continue in Pathology, it is a year saved that can be spent later in special research training. An elective in one of the clinical disciplines may be arranged. The Internship program is in the Medical College teaching hospital and may include elected periods in the Medical College affiliated University Hospital.

Pediatrics

Professor and Chairman: Alex F. Robertson, M.D.
Six straight pediatric internships are available. The year is spent on the Pediatric inpatient and newborn services at Talmadge Hospital and in the outpatient clinics and emergency room of University Hospital.

Surgery

Professor and Chairman: Arlie R. Mansberger, M.D.
Ten straight internships in Surgery are offered. These ten internships in the General Surgery "core" rotations include positions for those graduate trainees who have career goals in the Specialties of Thoracic Surgery, Neurosurgery, Orthopedic Surgery, Plastic Surgery, Urology and Otolaryngology as well as in General Surgery.

The "core" program is based on a philosophy that Surgery is a "discipline of medicine" and that Surgeons should be "internists who operate".

Rotations include general surgery, emergency medicine, acute cardiology, respiratory care, and elective time in a broad spectrum of disciplines.

Rotating Internships

Ten rotating internships are offered and are of two types: Rotating^{3} and Rotating^{9} as listed in the American Medical Association Directory of Approved Internships and Residencies.

Rotating^{3} Internships are discussed in the Obstetrics and Gynecology section.

Rotating^{9} Internships offer any of the programs from Rotating^{0} through Rotating^{8}. The rotating program allows maximum latitude of choice in the content of the

intern's year since four months of Internal Medicine is the only specific requirement. Such latitude will require special counseling for each applicant to ensure that the program selected best suits his long range plans. The required months of Medicine will be divided between the Talmadge and Veterans Administration Hospitals. Twelve positions are available.

Inquiries about STRAIGHT or ROTATING[3] INTERNSHIPS should be directed to the appropriate Department Chairman.

Inquiries about the ROTATING[9] INTERNSHIPS should be sent to the College's Intern Selection Committee.

Residencies

Anesthesiology

In conformance with the projected continuum in anesthesiology specialty training as promulgated by the AMA and the ABA, this department offers two programs for specialty training in anesthesiology.

1. a. A basic year of training with rotations on other specialties and subspecialties such as medicine, pediatrics, emergency room, cardiology, etc.
   b. Two years of clinical anesthesiology. This time would be spent in the O.R., respiratory therapy, intensive care, obstetrics, etc., covering the usual range of clinical anesthesiological experience.

   For the M.D. coming directly from medical school into anesthesiology, the (a) and (b) mix can be arranged in any fashion to fit the needs and desires of the candidate and departmental chairman. That is, six months of (a), followed by two years of (b), and finally six months of (a), or any other combination could be followed.

   For the M.D. coming into anesthesiology from practice or other areas of medicine, the (a) requirements could be satisfied by one year of satisfactory rotation in other specialties prior to admittance into the anesthesiology program.
2. A four year program consisting of (a) and (b) (above) plus (c), one year of optional training consisting of rotation through electives such as cardiology, cardiopulmonary laboratory, pharmacology, physiology, anatomy, etc. If the resident desires, he may spend part or the entire year in research activities. (Z. W. Gramling, M.D.)

Dermatology

The residency training program in Dermatology is for three years with emphasis on both clinical and basic scientific aspects of cutaneous medicine. Patients are seen in out-patient clinics at the Talmadge, University, and Veterans Administration Hospitals. There are ten inpatient beds at the Talmadge Hospital and beds are available at the V.A. Hospital, on a "need basis." Training is graduated, with increased responsibility in the care of patients accruing throughout the program. Regular weekly conferences include Dermatology Grand Rounds, histopathology conference, basic science seminar, journal club and didactic conferences. In order to develop the critical capacity necessary to evaluate advances in Dermatology, residents rotate through the research laboratories for periods of two to twelve months full-time during their training and are required to complete a clinical or laboratory

research project during the three year training period. (J. Graham Smith, Jr., M.D.)

Family Practice

The Department of Family Practice in the School of Medicine was established July of 1972. Resident and student training programs became operational July of 1973.

Objectives of this department are: 1) to educate and train physicians in the specialty of family medicine; 2) to equip them with the knowledge and skills necessary to provide high quality, continuous, comprehensive, personalized care to individual family members and to the family unit as a whole; 3) to orient training not only to the care of the ill but also in health maintenance and disease prevention; 4) to function as a leader of the health team which focuses on the family as the basic unit of society, emphasizing continuous, comprehensive care; 5) to emphasize the recognition and understanding of sociobehavior problems in health and disease in the context of the family unit; 6) to stimulate the interest and involvement in clinical research evaluation and peer review of the medical care process, and a search for improved methods of health care delivery 7) to emphasize the importance of continuing education for all physicians.

Training is centered in and around the Family Practice Center (Model Family Practitioner's Office). Here medical students, physician's assistant students, nursing students, residents in family practice and others participate in delivery of health care to families and their individual members.

As they progress through their three years of training, residents in family medicine spend an increasing portion of their time in the Family Practice Center, increasing the number of families under their care. Associated with this training they receive specific training in internal medicine, pediatrics, surgery, obstetrics and gynecology, psychiatry, dermatology, surgery, orthopedics, emergency room care and other specialties and subspecialties. (William E. Lotterhos, M.D.)

Internal Medicine

A complete post-graduate training program in Internal Medicine and its subspecialities is offered; all of the training required for qualification for the American Board of Internal Medicine and each of the Subspecialty Boards can be obtained. The internship and residency program is integrated with the University Hospital and the Veterans Administration Hospital. Fellowships are available in cardiology, cardiovascular research, hematology, infectious diseases, endocrinology and metabolism, gastroenterology, renal diseases, rheumatology, pulmonary disease, clinical nutrition and medical oncology. Teaching rounds and conferences are held daily for house officers and students. (Alfred Jay Bollet, M.D., and staff.)

Neurology

A fully approved 3 year residency in Neurology combines the facilities of the Talmadge and Augusta VA hospitals. The first year is spent on the wards and in the clinics, with a rotation on Neurosurgery. The second year consists of Pediatric Neurology, and rotations on Neuroradiology and Neuropathology. The final year as a senior resident offers a wide choice of electives, including opportunities in Neuropsychology, Neurophysiology, Neurochemistry,

EEG, EMG, etc. The resident may participate in the community outreach programs sponsored by the Department of Neurology.

The goal of the Neurology residency program is to train clinically competent neurologists who will be equipped to make an original contribution to the knowledge of the nervous system, in either an academic setting or in clinical practice. Three residents are accepted each year. (Joseph B. Green, M.D.)

A training program in Pediatric Neurology is offered under the joint auspices of Pediatrics and Neurology, and supervised by 3 full time faculty members of the section of Pediatric Neurology (Paul R. Dyken, M.D.). Two types of programs are offered: a one year of fellowship (PL3) or a 5 year program (including internship) combining Pediatric, Adult Neurology and Pediatric Neurology training which meets the specialty board requirements.

Obstetrics and Gynecology

A four-year residency program is offered. Residents spend a minimum of three years in the department with progressive responsibility each year that fulfills the requirements for Board eligibility. One year may be spent outside the department and might include three month rotations through urology, endocrinology, medicine, general surgery, pathology and research. The program is academically oriented and designed to prepare the resident for clinical practice. Residents are expected to participate in student teaching and assist on research projects. The residency program rotations include both the Talmadge Hospital and the University Hospital. (William A. Scoggin, M.D.)

Ophthalmology

A three year residency program in ophthalmology is offered with training at the teaching hospital with rotations at University Hospital and the Veterans Administration Hospital. Training in all types of ophthalmic surgery is included. A basic science course in ophthalmology is part of the residency program. (Malcolm N. Luxenberg, M.D.)

Pathology

The training program offers one year of internship and up to five years of residency. The resident physician participates in the student teaching program, in the department's autopsy, surgical pathological and clinical pathological services; periods of part-time or full-time research are available to those who want them. Places are available to persons preparing for academic pathology or the practice of pathology, and to those who may desire a year or more of training in pathology in preparation for another discipline. Individualized programs that satisfy Board requirements and the individual's career goals are arranged in the Medical College teaching hospital and may include elected periods in the Medical College affiliated University Hospital.

Pediatrics

The pediatric residency is of two years duration and together with the internship forms a coordinated three year program which fulfills the requirements for Board eligibility. Additional training is available in many of the subspecialty areas of pediatrics. (Alex F. Robertson, M.D.)

Psychiatry

The Department has a fully approved three year residency program in psychiatry. Detailed information about the program may be obtained on request. (E. James McCranie, M.D.)

Radiology

A three year residency program in radiology is offered with an internship as prerequisite. An alternate four year program without internship prerequisite is being developed. Separate programs in Nuclear Medicine, Radiation Therapy, and Diagnostic Radiology are also available. (Mark Brown, M.D.)

Surgery Residencies

General Surgery

An integrated program which includes rotations through the Talmadge Hospital (referred Surgery) University Hospital (Trauma & referred) and The Veterans Administration Hospital. The program is four or five years in length following the internship. The length of the time tract is designed for those who wish to pursue a career in academic Surgery and requires a year of research experience. Laboratory experience is not required in the four year program. The program is not pyramidal. (Arlie R. Mansberger, M.D.)

Neurosurgery

A five year training program with a prerequisite of one year internship of choice and one year general surgery or one straight surgical internship, five residents. Training includes clinical neurosurgery and microsurgery supplemented by on-service participation in neuroradiology and weekly conferences in neuropathology and off-service experiences in clinical neurology and combined neuroanatomy and neurophysiology as well as basic research. The teaching hospital, the University and Veterans Administration Hospitals participate in the training program. By special arrangement, the residents may receive graduate school credit while actively pursuing the neurosurgical residency. (Marshall B. Allen, Jr., M.D.)

Oral Surgery—Dentistry

An approved three year internship-residency program in oral surgery is offered at the Eugene Talmadge Memorial Hospital in conjunction with the University Hospital, the Veterans Administration Hospital and the School of Dentistry. The objective of the program is the education of a skilled clinician, competent in all phases of oral surgery practice, and capable of satisfying the requirements of the American Board of Oral Surgery. The educational requirements of the Board are advanced study in oral surgery for a period of three years, including comprehensive study of the basic biomedical sciences as they relate to oral surgery and a progressively gradulated sequence of approved hospital experience of not less than two years duration. The study of the biomedical sciences are presented throughout the three years in the form of regularly scheduled weekly instructional courses, conferences and seminars. Rotations on medicine, anesthesiology and surgery are provided during the period of training. (Richard G. Topazian, D.D.S.)

Orthopedic Surgery

The orthopedic program is a four year program which includes a period in the first year in general surgery. Experience and increasing responsibility is provided in the program in the basic science of orthopedics, fractures, children's and adult orthopedics, and reconstructive surgery. Affiliation with the Veterans and University Hospital is included. Long-term observation and comprehensive care are emphasized. Three residents are appointed each year. (Floyd E. Bliven, Jr., M.D.)

Thoracic Surgery

A two or three year program. Prerequisites include internship and four years of general surgery residency (with chief residency). Primarily in teaching hospital with rotations through Memorial Hospital, Savannah, Ga., and Veterans Administration Hospital, Augusta. Four residents. (Robert G. Ellison, M.D.)

Urology

A three year program with prerequisites of one year internship and one year in a field basic to urology (usually a year in general surgery). It is served in the teaching hospital and at the Veterans Administration Hospital. Six residents. (Roy Witherington, M.D.)

Continuing Medical Education

The objective of continuing education is to preserve and increase professional knowledge and competence throughout the entire career of professional health workers. The program of Continuing Medical Education in close cooperation with the departments in the School of Medicine and with the Division of Continuing Education has the responsibility for developing and presenting educational activities to assist professional health workers in maintenance and further development of their skills.

Types of Courses

1. Campus Symposia

Numerous courses lasting from one to five days are presented each year.

2. Physicians' Continuing Education Series

In several cities throughout Georgia a series of one day medical symposia are presented each year.

3. Intermittent Courses

Each session of these courses usually lasts a few hours, and sessions are held at specified times over a period of months.

4. Special Technic Workshops

Workshops in laboratory, diagnostic and therapeutic procedures offer enrollees an opportunity to obtain practical experience.

5. Clinical Traineeships

Experience in wards or laboratories for periods of one week or longer is offered by special arrangement with the chairman of the department concerned and the Division of Continuing Education.

Program Announcements

Prior to each course, brochures describing the topics, faculty, meeting place, time, and registration fees are mailed to the group

for whom the course was developed.

Credits

Instruction presented in this program is not designed to give credit toward specialty qualification or academic degrees. However, a record of attendance is maintained for the benefit of those individuals who attend these courses, and continuing education units (C.E.U.'s) are awarded for most courses.

The program of Continuing Medical Education is accredited by the Council on Medical Education of the American Medical Association, and physicians' attendance at most courses is acceptable for credit toward the Physician's Recognition Award of the American Medical Association.

Attention is given to the requirements of the American Academy of Family Practice, and attendance at most courses is accepted for credit by the Academy.

Fees

The enrollment fees for continuing education courses are listed separately for each course and are based on guest faculty participation, hours of instruction, and equipment required.

Residents, interns, medical students, and College faculty may attend most courses without fees. Certain courses are restricted and have limited enrollment. (Glen E. Garrison, M.D.)

The School
of
Nursing

School of Nursing Calendar 1974-75

Fall Quarter, 1974

September 18	Orientation
September 19	Registration
September 20	Exemption examinations
September 23	Classes begin
September 26	Last day for late registration and class changes
September 27	Exemption & R.T.P.E.
October 30	Midterm
October 28-30, November 1	Preregistration for winter quarter
November 5	Election day recess
November 27—December 1	Thanksgiving recess
December 7, 9-13	Examinations
December 13	Term ends

Winter Quarter, 1975

January 2	Orientation and registration
January 3	Classes begin; exemption examinations
January 6	Last day for late registration and class changes
January 10	Exemption & R.T.P.E.
February 5	Midterm
February 3-7	Preregistration for spring quarter
March 13-15, 17, 18	Examinations
March 18	Term ends

Spring Quarter, 1975

March 24	Orientation and registration
March 25	Classes begin
March 28	Last day for late registration and class changes
April 4	Exemption & R.T.P.E.
April 25	Midterm
April 28—May 2	Preregistration for summer and fall quarters
May 31—June 2-5	Examinations
June 7	Graduation
June 7	Term ends

Summer Quarter, 1975

June 11	Orientation and registration
June 12	Classes begin
June 13	Exemption & R.T.P.E.
June 17	Last day for late registration and class changes
July 4	Independence Day holiday
July 17	Midterm
July 14-18	Preregistration for fall quarter
August 22, 23, 25-27	Examinations
August 29	Term ends

School of Nursing

Dean: Dorothy T. White, B.S., M.A., Ed.D.

Associate Dean, Continuing Education Programs: Susan M. Bruno, B.S.N., M.S.

Associate Dean, Undergraduate Programs: Preston L. Davidson, M.Ed.

Associate Dean, Curriculum Development: Philip E. DeLorey, A.A.S., B.S.N., Ed.M.

Associate Dean, Graduate Programs in Nursing: Patricia A. Moxley, B.S.N.Ed., M.N., Ed.M.

The Baccalaureate Program in Nursing

The administration and faculty believe that nursing is a significant force in the total health care of all people, and that it is through guided experiences in the preventive, curative, and rehabilitative aspects of nursing that students are able to develop a comprehensive concept of the health needs of people. It is believed that a planned program of general education extending through four academic years, combined with professional courses, aids students in learning more effectively.

The School of Nursing accepts as its aim the selection and training of young men and women who have the potential for development within our educational environment as enlightened and contributing citizens and as professional nurses. Through the use of the problem-solving approach and our planned experiences, the graduate is expected to become a purposeful, thinking, self-directed member of the professional society, able to identify and analyze data objectively, and to make critical judgments on the basis of principles in both personal and professional roles.

It is expected that graduates of the College program can work effectively with other disciplines in the care of patients. The graduate is prepared to plan, execute, and evaluate the nursing needs and care of individuals in the community; to function as a beginning professional practitioner in any field of nursing, including public health. The graduate has had guided learning experiences in management and leadership, and with experience, the graduate with potential may move into head nurse positions. The graduate may, if ability and achievement warrant, prepare through graduate courses for positions in teaching, administration, supervision, research or other areas.

Objectives

The objectives of the program are to provide appropriate learning experiences which enable students:

1. To develop attitudes, professional and intellectual abilities involving the use of communications skills, leadership and helping skills, general and scientific knowledge of such breadth as will make possible development of competencies in the practice of rehabilitative, preventative, and creative nursing and as will provide a sound basis for future specialization.
2. To appreciate the dynamic contribution of nursing to health goals, and their implementation for society and to develop

those participatory skills essential to accepting responsibility on the health team.

3. To promote understanding of self, personal growth, and the development of creative ability in order to live more happily as well as to attain and maintain health for oneself and others.
4. To develop critical attitudes and skills, in evaluation and problem solving as a basis for effective nursing practice and as a basis for contributing to the development of professional nursing.
5. To understand some aspects of the major philosophies and practices as they relate to personal and spiritual growth and to nursing patients and families.

Accreditation

The School of Nursing is accredited by the National League for Nursing, and is a member agency of the Department of Baccalaureate and Higher Degree Programs.

The program is also approved by the Board of Examiners of Nurses for Georgia. Graduates are eligible to take the state licensing examination, successful completion of which entitles the nurse legally to practice nursing and to use the title "Registered Nurse" (R.N.).

Admission Requirements

In addition to general requirements of the college, applicants must meet the following:

Age: The minimum age is 16 for admission to the freshman year of the School of Nursing as required by the Board of Examiners of nurses for Georgia.

Personal Interviews: May be arranged at the discretion of the student and/or faculty.

Academic Criteria

Preference will be given the applicant who has demonstrated superior academic ability. The applicant must present evidence of graduation from an accredited high school or its equivalent. The entering freshman must present credentials to indicate completion of the following high school credits from an accredited high school:

	Units
English	4
Mathematics (must include one unit of algebra)	2
Sciences (General biology, chemistry, physics)	2
Social studies (one unit of American History)	2
Other academic units	4
Unrestricted electives	2

High school level test of General Education Development will not be accepted unless accompanied by a state high school diploma.

Application Procedure

Application forms with instructions for completing the admission procedure may be obtained from the Office of Undergraduate Admissions. Application for each entering student must be filed completed no later than 31 days prior to the registration date for the quar-

ter in which the applicant wishes to be admitted. Early application is encouraged.

Transcripts from all high schools and/or colleges attended are part of the application and are necessary to determine admission and placement. CEEB-SAT scores are also part of the application for beginning freshmen and should be sent by Educational Testing Service or on the official transcripts.

Those applicants who are already Registered Nurses must submit evidence of current registration or eligibility for registration.

Financial Aid and Employment Opportunities

The student Financial Aid Bulletin may be obtained by writing to the Financial Aid Office. A limited number of part time employment opportunities are available through the Personnel Office.

Students may enroll in the student Army or Navy Nurses Corps beginning with either the junior or senior years.

An application form on which you may apply for any of the other programs listed in the brochure may be secured by writing the Financial Aid Office.

Student Organizations and Activities

Students in the School of Nursing participate in the activities and organizations of both the Medical College of Georgia and Augusta College.

An Honor Society was organized in 1969. It was chartered as a local chapter of Sigma Theta Tau in 1973.

In addition to the regular activities at the College, students in Nursing may belong to class organizations and the Student Nurses Association.

Facilities, General Education and Professional

The general facilities of the Medical College combined with those of Augusta College, offer excellent opportunities for a balanced program of liberal and professional education.

In addition to facilities for instruction as listed in the General Information, of this Catalog, the School of Nursing utilizes other agencies as necessary: Gracewood State School and Hospital, Veterans Administration Hospitals, University Hospital, Augusta Regional Hospital, industries, nursing homes, day and nursery schools, and other agencies selected on the basis of their contribution to the student's understanding of continuity of patient care and total health planning.

Fees and Expenses

Estimated Student Expenses Per Academic Year	First Year	Second Year	Third Year	Fourth Year
Matriculation fee*	435	435	435	435
Health fee**	30	30	30	30
Activities	30	30	30	30
Books & Supplies	130	130	130	130
Uniforms	—	200	—	—
Housing***	330	330	330	330
Food	600	600	600	600
Personal (Laundry, entertainment, travel, etc)	450	450	450	450
Totals	**2,005**	**2,205**	**2,005**	**2,005**

*Non-resident tuition (in addition to matriculation fee) $720 per year. ($240 per quarter). Matriculation fee is $145 per quarter.
**Health fee is $10 per quarter.
Activities fee is $10 per quarter.
***See General Information section for the cost of various on-campus housing options.
See General Information section for hospitalization and Life Insurance costs.

Curriculum

The School of Nursing offers a four-year, 12-quarter, academic program leading to the degree of Bachelor of Science in Nursing.

The courses in general education and supporting areas are offered throughout the program. They are planned to contribute to the professional courses and to the offering of a sound, integrated four-year program. It is the purpose of the School of Nursing to develop a curriculum which aids in the development of the individual personally, as a citizen and as a professional nurse.

The outlined curriculum pattern is subject to change.

General education courses for undergraduate students

The College is a state supported unit of the University System of Georgia. Augusta College has been designated to assume the responsibility for offering selected courses in general education for all baccalaureate students registered at the College. Credits and grades for such courses are accepted by the College directly from this institution as though the courses were taught on the College campus. The student must be registered at this institution while taking the courses. Arrangements for the first year of work may be made (with faculty advisement) with other institutions within the University System.

Lower Division general education courses numbered 100 through 399 are offered by Augusta College. These courses will be recorded on transcripts issued by the Medical College with the code designation of "A.C."

First Year

Eng 101	5
Eng 102	5
Social Sciences	10
Natural Sciences	10
Bio 111 or *Anm 320	5
Bio 112 or *Anm 321	5
Nsg 150	5
TOTAL:	45

Second Year

**His 211 & **Pol 101	10
Science Elective	5
Social Science Elective	10
Nsg 251	5
Nsg 252	5
Nsg 253	5
TOTAL:	45

Third Year

Social Science Elective	5
Nsg 351	5
Nsg 352	5
Nsg 333	5
Nsg 334	5
Nsg 317	5
Humanities Elective	5
Nsg Electives	5-10
TOTAL:	45-50

Fourth Year

Humanities Elective	5
Nsg 404 or 405	5
Nsg 419	5
Nsg 453	5
Nsg 489	5
Nsg 490	5
Nsg Electives	5-10
Free Electives	10
TOTAL:	45-50

Summer course offerings are determined by availability of faculty and the needs of selected students.

Throughout the program and largely in the clinical courses, an application of principles from the social-physical and biological sciences, as well as health concepts including mental health, geriatrics, nutrition and diet therapy, patient and family teaching, interpersonal relationships and communication skills, pharmacology, epidemiology, biostatistics, disaster nursing, occupational health, environmental factors, and rehabilitation skills will be integrated.

All clinical nursing courses include laboratory practice in the clinical setting.

Course Descriptions

For description of courses other than nursing, refer to the Augusta College Bulletin.

**Legislative Requirements: May be fulfilled by passing the validation exam at any college in the State system or by History 211 or 212 and Political Science 101. Students who successfully validate must take 10 quarter hours in any history courses.

***Independent Study

Required Courses

Nsg 150. Distributive Nursing. (5 hours)
An introduction to nursing as a science, a process, and a profession with major responsibilities in the following health areas: primary prevention, maintenance and rehabilitation. 4 hours class/two hours practicum per week.

Nsg 251, Adult Nursing I. (5 hours)
Introduction to nursing in an episodic setting. Emphasis is placed on the further development of communication and assessment skills relative to the concepts of stress and adaptation, infection, respiration, and limited motion. 6 hours lecture/laboratory per week.

Nsg 252. Adult Nursing II. (5 hours)
A continued development of communication and assessment skills relative to the concepts of fluid-electrolyte balance, autoregulation (hormonal), neurological integrity, and sensory deprivation and overload. 6 hours lecture/laboratory per week.

Nsg 253. Clinical Practicum in Adult Nursing. (5 hours)
A synthesizing activity in which nursing theory is translated into practice. Opportunities are provided in client-care settings to construct data bases, identify health problems, develop and implement alternatives for nursing intervention, and evaluate the effects of nursing actions. 12 hours of laboratory per week.

Nsg 351. Family Nursing I. (5 hours)
This course focuses on the concept of the levels of wellness and deviations from wellness of the family and family roles during the child-bearing and child-rearing years. Emphasis is placed on assessment skills, physiological and developmental principles which aid the professional nurse in formulating a therapeutic family care program.

Nsg 352. Family Nursing II. (5 hours)
Clinical experiences cover a variety of episodic and distributive settings wherein the student is given the opportunity to gain skill in the nursing process concentrating on the child-bearing and child-rearing phases of the family. Students will implement and evaluate a planned therapeutic family care program with an assigned family.

Nsg 333. Mental Health & Psychiatric Nursing I. (5 hours)
The focus of this course is the role of the baccalaureate nurse who functions with a multi-disciplinary team in the prevention of mental illness and the care, treatment and rehabilitation of mentally ill patients. Determinants will focus on the person as he relates to self, others, and his total environment, and reacts to the stresses of life. The role of the nurse in fostering growth in self and others will be emphasized. The basic approach is open discussion, to clarify thinking, share learning experiences, encourage discussion of "feelings," enlarge upon students' previously gained knowledge of normal growth, developmental behaviors, mental health, and mental illness.

Nsg 334. Mental Health & Psychiatric Nursing II. (5 hours)
Students work with "healthy" families in their own environment (distributive) as well as working intensively with selected patients in three major psychiatric settings (episodic). Observational experiences are also provided within community resources for the mentally ill and the mentally retarded.

Students are exposed to theories which include both descriptive and dynamic approaches.

Nsg 317. Community Health Organization. (5 hours)
Study of the background, new developments and trends in the nation's health care systems. The objectives of major health and health related programs, their general sponsorship and requirements are considered. Emphasis is placed on financing, organizing and delivery of health services.

Nsg 318. Epidemiology in Community Health. (5 hours)
An introduction to basic epidemiological concepts as applied to groups of people. Included are those pertaining to infectious, noninfectious, chronic diseases and handicapping conditions. Emphasis is placed on the study of relationships between environment, health status and group characteristics. The student will plan and conduct an epidemiological study.

Nsg 399. Independent Study

Nsg 404. Seminar and Practicum in Episodic Nursing. (5 hours)
Students are provided the opportunity in a program of individualized study, to learn and apply nursing theory and process in acute care settings.

Nsg 405. Seminar and Practicum in Distributive Nursing. (5 hours)
Students are provided the opportunity in a program of individualized study, to learn and apply nursing theory and process in selected non-acute care settings.

Nsg 419. Family Health Services. (5 hours)
Indepth study of the delivery of health care to families. Emphasis will be on the developmental tasks of each family member and the relationship to preventive health measures. Assessment skills, interviewing skills and teaching skills will be stressed utilizing families and groups of clients in a distributive setting.

Nsg 453. Nursing Trends. 5 hours)
An analysis of the trends and current problems in nursing and their relationship to nursing education programs and to the practice of professional nursing.

Nsg 489. Management Science in Health Care Delivery. (5 hours)
The study of current social issues related to health care; issues and problems in nursing; principles of leadership; professionalism; the management of human resources for the delivery of nursing care for clients.

Nsg 490. Introduction to Clinical Research. (5 hours)
Analysis of selected clinical nursing research studies including criteria of significance and methodology; analysis and synthesis of findings with implications for practice. Systematic investigation and report of a selected research problem in nursing practice.

Elective Courses

Nsg 320. Nursing Process. (5 hours)
Analysis of the scientific process by which nursing theory is translated into practice. Emphasis is placed on assessment, formulation of data bases, identification of problems, development of nursing alternatives, and evaluation of interventions.

Nsg 324. Nursing and the Dying Patient (5 hours)
Study of the conceptual models of loss, grief, death, and dying and

their application in the nurse-client interaction.

Nsg 326. Nursing in Human Sexuality. (5 hours)
The study of biological and cultural determinants of sex and sexual behavior. Examination of health issues and personal values related to sex and sexual relationships with consideration of their effects on and implications for contemporary nursing practice.

Nsg 354. Nursing in the Childbearing Family. (5 hours)
The course will focus on the maternity cycle and the family. The student will have the opportunity to gain clinical ecperience within his chosen component of the childbearing cycle.

Nsg 355. Nursing in the Childbearing Family. (5 hours)
The course will focus on the childrearing period of the family. The student will have the opportunity to gain clinical experience within his chosen component of the childrearing cycle.

Nsg 380. Applied Group Dynamics. (5 hours)
Analysis of group theory and roles, practice in membership and leadership roles in the Health Care Team.

Nsg 406. Nursing in Crisis Situation. (5 hours)
A study of stress models applied to crisis situations with emphasis on nursing interventions.

Nsg 416. Investigation of a Problem in Community Nursing. (5 hours)
Students are provided the opportunity in a program of individualized study to learn and apply nursing theory and research methodology in the investigation of a community nursing problem.

Nsg 420. School Nursing. (5 hours)
An indepth study of the nursing process as used in the school health program; the organizational patterns in which the school nurse practices, and the legal aspects pertaining to preventive and emergency care. 6 hours content/laboratory per week.

Nsg 421. Occupational Health Nursing. (5 hours)
Study of the nursing process for the purpose of conserving, promoting and restoring the health of individuals and groups through their place of employment. Includes the social and health characteristics of the working population, legal aspects, and functions and organization of occupational health programs at the plant, state, and federal levels. Environmental factors are included. 6 hours content/laboratory per week.

Nsg 430. Nursing Science. (5 hours)
Study of selected principles, laws and conceptual frameworks applied to nursing theory building and testing of knowledge.

Nsg 431. Forensic Nursing. (5 hours)
Analysis of the sources of law affecting nursing and the legal responsibilities of the professional nurse in client interactions, emergency care, and in a societal role. Liability for negligence, and malpractice are considered within the framework of professional standards and accountability.

Nsg 432. Health Legislation, Economics, and the Nurse. (5 hours)
A study of current legislation on health education, health care including insurance and other fiscal planning, research in the health care system with considera-

tion of effects on contemporary professional nursing practice.

Nsg 505. Morphological Basis of Disturbed Function. (5 hours)

Nsg 506. Nursing Assessment in Physical Diagnosis. (5 hours)
A graduate elective course designed to provide the student with physical examination skills and basic laboratory methods to enable him to establish a data basis on a client's degree of wellness.

Scholarship and Promotion

Academic Advancement

Promotion is dependent on satisfying all academic course requirements, with no "0" grades accepted. A minimum point average of 2 is required.

Transfer Credit

Transfer of credit for the first year of work and for other equivalent courses, as evaluated by the Registrar, may be credited toward the Baccalaureate degree in Nursing. See "Scholarship and Promotion." No "F" grades may be transferred. Transfer students must meet the same requirements as other students in the program.

Probation

A student who falls below a 2.0 average in any given quarter will be carried on probation. Freshmen students are expected to meet the grade point average of 2 by the end of the third quarter.

Advancement Examinations

The policy governing achievement examinations shall be posted in the School of Nursing; students are expected to meet requirements of courses and achievement examinations according to current policies. Courses are to be taken in sequence. Exceptions must have the approval of the Dean. According to current policy, successful completion of general exams and subject exams offered through CLEP and USAFI will be accepted for credit.

Examinations on the History and Constitutions of the United States and Georgia

Examinations on these subjects are required of all students unless exempted by presentation of course credit dealing with these constitutions and histories. A student is advised to meet this requirement early in the academic career.

Physical Education Requirements

Candidates for undergraduate degrees will present a minimum of one (1) quarter of physical education credit for graduation.

Rising Junior Test Requirements

The University System of Georgia requires that each student receiving a degree from a State-supported college must have successfully completed all three parts at one administration of a competency examination in reading, writing, and English composition.

Requirements for Graduation

General requirements for graduation from the undergraduate pro-

grams of the Medical College are listed in the introductory section and in the General Information section.

Applicable specifically to the School of Nursing:

Completion of all senior nursing courses is required with at least 180 quarter hours excluding Physical Education completed for graduation. All graduates must meet the requirements for the degree as outlined for that graduating class.

Other Programs

The Master of Science in Nursing Program

Associate Dean for Graduate Programs: Patricia A. Moxley, B.S.N.Ed., M.N., Ed.M.

Recommended preparation: An undergraduate major in nursing, including the behavioral, physical and biological sciences. Other undergraduate majors are accepted.

Registration for courses: Students admitted to the Graduate Program in Nursing register and matriculate for courses at the Medical College of Georgia. Due to the wide range of educational offerings at the other institutions in the area, means are provided for students to take courses taught by other institutions and to receive credit for these. A student may select a major in Nursing Administration, in Adult Nursing or in Mental Health and Psychiatric Nursing. In the clinical field the student may elect to prepare for clinical specialization or for teaching nursing. The practicum in teaching provides for choice of supervised experience in baccalaureate or associate degree programs, or other educational programs in nursing.

The Graduate Program in Nursing also offers a three-summer program in teacher preparation, culminating in the Master of Science Degree in Nursing. This program is designed primarily for teachers in collegiate nursing programs who are attempting to upgrade their educational qualifications. Through the utilization of the short summer session (two sessions each summer), students may acquire up to twenty quarter hours credit per summer. Students in this program also have the opportunity to obtain additional credit from other schools. Applicants to this program who do not have a Baccalaureate degree in nursing will take equivalency examinations to demonstrate competency and knowledge in the clinical areas.

Objectives

This program is designed to provide educational experiences which will enable the student to:

- Demonstrate in the selected areas of nursing practice expertise in fulfilling specific responsibilities; expertise requiring knowledge of the concepts of stress and adaptation and the skills of assessment, interpretation, intervention and evaluation.
- Assume the role of client advocate in professional nursing practice; a role consistent with the concept of nursing's essential act as that of "caring."
- Initiate collaborative relationships with clients and health professionals in planning, implementing and assessing effective health care delivery.
- Extrapolate from the present

the future roles of professional nurses in the delivery of health care by defining, describing, and delineating the roles of nurses in terms of responsibility and legal accountability to clients and society.

- Effect changes in the delivery of nursing care which contribute to the welfare of the clients of the health care system.
- Identify areas of research related to the nursing process, teaching of the nursing process or the administration of the nursing process: propose and implement the appropriate research design; and interpret and evaluate the results.
- Accept responsibility for continuing professional growth through the exercise of leadership among health professionals, and the incorporation of new information and techniques gained from the literature and research in one's respective area of practice.

Admission Requirements

1. A Baccalaureate degree.
2. Licensure or eligibility for licensure as a Registered Nurse.

Application

Application for admission to the Graduate Program in Nursing at the Medical College is made directly to the Associate Dean, Graduate Programs School of Nursing, Medical College of Georgia, Augusta, Georgia 30902.

The program begins with the Summer or Fall quarter. The complete application should be on file at least four weeks prior to the beginning of the desired quarter. However, it is suggested that the initial application papers be submitted six to nine months in advance.

Applicants should confer with the major advisor of the field of choice and with the Associate Dean, Graduate Programs in Nursing regarding program planning.

Curriculum

Nsg 703A. Adult Nursing. (5 hours. Prerequisite: Nsg. 701).
Application of knowledge in improving skills characteristic of the practice of professional nursing. Selected experiences provide for intensive study of individual patient needs and direction of care of nursing clients.

Nsg 703B. Adult Nursing. (5 hours).
Focuses on increasing assessment skills and the ability to extend scientific bases of nursing practice.

Nsg 704. Practicum: Teaching Adult Nursing. (5 hours. Prerequisites: Nsg 701 and 703.)

Nsg 705. Practicum: Clinical Specialization: Adult Nursing. (5 hours. Prerequisites: Nsg 701 and 703.)

Nsg 721A. Mental Health and Psychiatric Nursing. (5 hours. Prerequisite: Nsg. 701.)
Psychopathology as a unique life situation. There is concurrent clinical extension of theory in selected facilities. Explanation of the process of psychotherapy and the therapist role is initiated in the course.

Nsg 721B. Mental Health and Psychiatric Nursing. (5 hours)
The essential act of caring is manifested by engagement in the development of nursing theory and principles through clinical inquiry

and the application of research methodology.

Nsg 722. Practicum: Teaching Mental Health and Psychiatric Nursing. (5 hours. Prerequisites: Nsg 701 and 721.)

Nsg 723. Practicum: Clinical Specialization, Mental Health and Psychiatric Nursing. (5 hours. Prerequisites: Nsg 701 and 721.)

Nsg 740, 741. Seminar in Nursing Administration. (5 hours Fall and 5 hours Winter quarters.)
Application of concepts and principles of administration and personnel management in the nursing service situation. The case method is used for added realism in problem solving.

Nsg 742. Practicum in Nursing Administration. (5 hours. Spring quarter.)
Observation of, and limited participation in the administration of a nursing service department. The experience is guided by a preceptor in an agency selected jointly by the student and major professor. Field conference of students, faculty and agency personnel permit the exchange of ideas related to field problems. Prerequisites: Nsg 740 and 741.

Nsg 781. Advances in Clinical Practice. (2 hours.)
Consideration of human and technological factors influencing change in clinical nursing practice. Exploration of the present and potential contribution of clinical research to nursing practice.

Nsg 784. Dimensions of Professional Inquiry. (5 hours.)
The use of the investigative method in analysis and synthesis of role theory and change theory specifically focused on the processes used by the nursing profession in designing, testing, and implementing programs of health services and professional education.

Nsg 805. Advanced Seminar. (5 hours.)
The study of common principles from the behavioral/biological sciences having applicability to nursing education, practice, and administration. This is a synthesis course required of all graduate students.

Edu 700 (A.C.) Methods of Research in Education. (5 hours.)
The use of selected concepts in research methodology and statistical analysis in the design, implementation and critique of simple research studies in nursing.

Nsg 921. Investigation of a Problem. (Credit to be arranged.) Prerequisite: Admission to candidacy

Nsg 930. Research, Project, or Guided Elective Study. (5 hours.) Prerequisite: Admission to candidacy

Edu 700. Curriculum and Instruction in Higher Education. (5 hours.)
Provides the student with a knowledge of the curriculum of higher education. An attempt is made to show that curriculum as a whole is involved with objectives, content, strategies, teaching, and learning; their interrelationships, and their involvement in the teaching-learning process.

Edu 701. Methods of Educational Evaluation in Higher Education. (5 hours.)
A systematic development of evaluation procedure appropriate to the evaluation of student performance. Considerations of validity and reliability, selected statistical procedures and the relationship

between course objectives and evaluation techniques are treated.

Edu 600. Social Organization. (5 hours.)
A study of the basic principles of social organization including an examination of how groups and complex organizations are structured and how they function as structures.

Edu 700. Educational Psychology. (5 hours.)
Theories of learning and their application in higher education.

Continuing Education Program

The program of Continuing Education provides short courses, conferences, and consultative services to nurses and agencies on a statewide basis. The faculty plans with an Advisory Committee, other health agencies, and specific planning groups to provide offerings that meet the needs of nurses in wide geographical areas of the State.

The faculty believes that learning is a continuing process throughout the life span of the individual and opportunities must be provided for nurses to continually expand their knowledge and skills. They believe that change is inevitable in a dynamic society and that nurses must be assisted to initiate and/or participate in change.

Prior to each course, brochures describing the topics, meeting place, time and fees are mailed to the group of nurses for whom the course was developed.

Credits

Continuing education units (CEU's) may be earned for specially designed short courses, workshops or seminars.

Fees

Fees are established separately for each course and are dependent on the number of guest faculty, length of course and other factors.

Direct Inquiries to:

Continuing Education Program in Nursing
School of Nursing
Medical College of Georgia
Augusta, Georgia 30902

Division of Systems and Computer Services

Director: James B. Mathews, Ph.D.
Associate Director: Richard E. Pogue, Ph.D.

The Division of Systems and Computer Services (DSCS) engages in educational, research and service programs in the management, statistical, biomedical engineering and computer sciences in support of education, research, health services and administration at the Medical College of Georgia. The Division's philosophy rests on the premise that an integrated program combining education, research and service will promote attainment of the goals of the College for these fields of study.

The faculty and professional staff of the Division engage in formal academic teaching; supervise student practice and serve on thesis advisory committees; and conduct training courses, seminars and electives for MCG faculty, staff and students in the Division's areas of expertise. They participate

through special arrangements, in the Business Administration graduate program at Augusta College, and in the program of Health Systems Research Center of the Georgia Institute of Technology. Current emphasis is being given to expanding course offerings in health systems engineering, computer sciences, biostatistics and biomedical engineering to meet the growing needs of other academic programs within the College.

The faculty and professional staff of the Division engage in intramural and extramural research projects in health facilities and health manpower planning; health information systems development; and basic science, clinical science and clinical services research.

As a professional staff resource, the Division provides management and information systems development services; computer services; engineering services including design, construction and maintenance of specialized equipment of an electronic and mechanical nature; and consultative services in the biostatistical, biomedical engineering, management and computer sciences.

Curriculum

Hs 410. Departmental Systems Management Techniques. (3 quarter hours; on demand)
An application-oriented course in management problem solving, tailored on demand for presentation to specific student groups. Case problems in specific hospital departments are the vehicles for presentation of systematic problem solving techniques and approaches. Example techniques are: work standards, staffing methods and performance measures; scheduling work activities, departmental organization; monitoring and controlling quality; cost reduction methods.

Hs 411. Methods Improvement in Health Systems Management. (3 quarter hours, on demand)
A general "how to" course in the methods and approaches of work simplification, including work distribution analysis, flow process charting, work station design, man-machine charting, forms flow and simplification, and similar techniques.

Hs 431. Introduction to Computers in Health Care Delivery. (2 quarter hours)
Basic introduction to computer fundamentals and terminology. Survey of computer uses in supporting health care delivery, including health information systems, patient monitoring, patient histories and automated medical records, laboratory automation and multiphasic health screening, and continuing health education.

Other Courses Taught By Division Faculty And Staff

Other courses taught by Division faculty and staff within other academic programs in the College include the following:
SCHOOL OF GRADUATE STUDIES:
Sta 601-602-603. (9 quarter hours)
Sta 801-802-803. (9 quarter hours)
Hs 850. Control Systems in Biology and Medicine. (3 quarter hours; on demand)
Many biological systems are regulated by feedback mechanisms that can be expressed and analyzed by mathematical techniques. Course work consists

of lectures outlining the aspects of control theory applicable to biological systems and the simulation of selected systems on a digital computer.

SCHOOL OF ALLIED HEALTH SCIENCES:

Sta 301. (3 quarter hours)
Pth 430. (5 quarter hours)
Mrs 430-431. (9 quarter hours)
Mrs 319, 321. (6 quarter hours)

SCHOOL OF MEDICINE:

Med 519. Electronic Instrumentation.
The modern biological scientist is assisted in his work by a wide range of electronic instrumentation to the point where an understanding of instrumentation techniques is vital. Biomedical Engineering has developed a teaching system which consists of a course in basic electronics which is a prerequisite to sub-courses in electronics for cardiovascular studies and digital circuitry. Other sub-courses on electrophysiology, instrumentation for biochemistry, and laboratory computer applications are in preparation. Appropriate sub-courses can be taken by a student to match his particular field.

SCHOOL OF NURSING:

Hs 630. Computers in Education. (3 quarter hours.)
Introduction to use of computers in education, including computer-assisted instruction (CAI) and computer-managed instruction (CMI). Survey of general concepts, authoring systems and computer languages, computer terminals and systems, and currently available instruction modules. Practical experience in implementing an instructional routine of the student's choice.

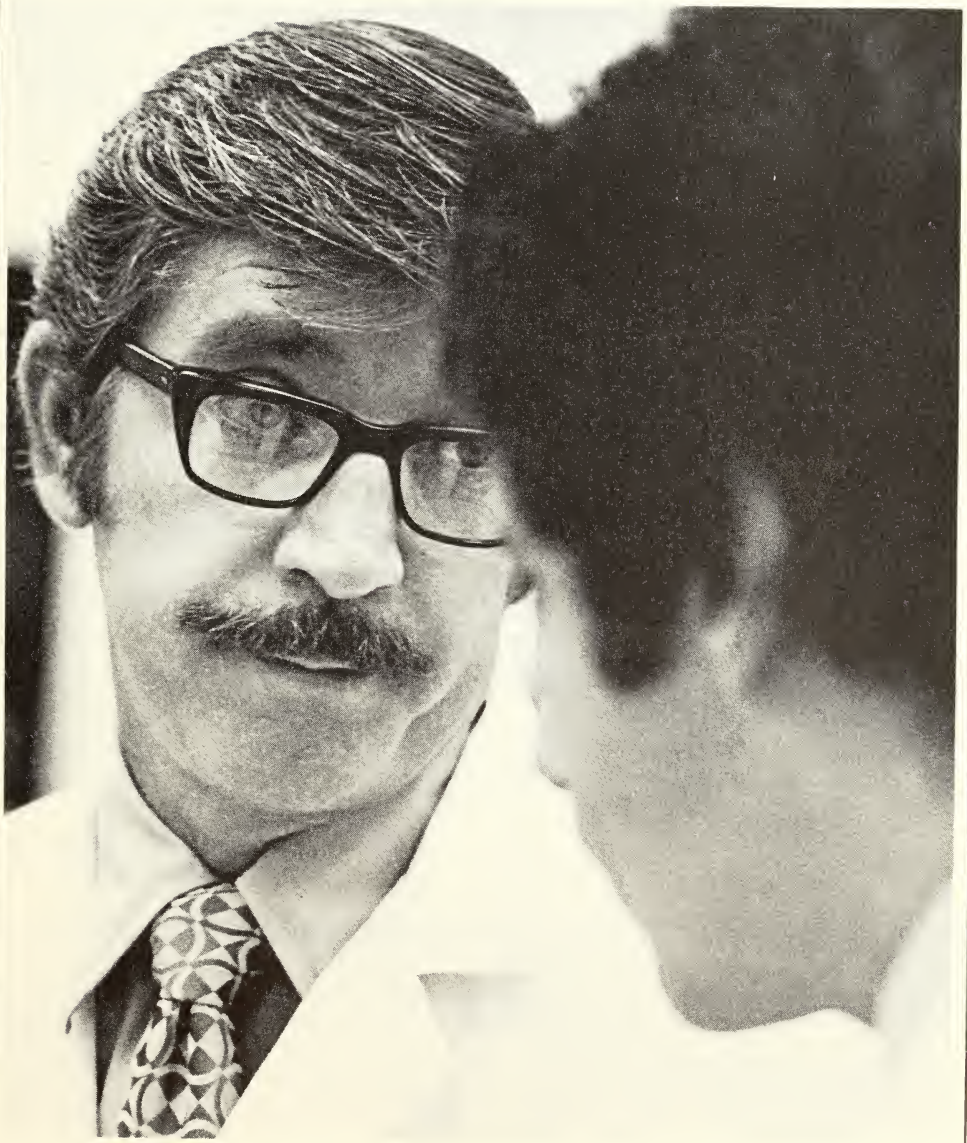
Hs 631. Health Information Systems. (3 quarter hours.)
Concepts and principles of health information systems. Hospital information systems, with emphasis on flow of patient data throughout the hospital, systems for organizing and managing information flow, and use of computers in the information system and in specialized hospital service and patient care areas. Concepts and progress in area-wide health information systems interconnecting different units in the health care system.

Hospital Administration Residency

The College, in cooperation with colleges and universities offering graduate degrees in Hospital Administration, offers a residency in Hospital Administration at the Eugene Talmadge Memorial Hospital. The residency, which may vary in length from 9-12 months, follows a year of graduate study, and is the final phase of a curriculum leading to a Master's Degree.

The content of the residency varies according to the school in which the resident is enrolled, but usually includes periods of orientation, rotation through hospital departments, and general administrative experience. The residency is under the preceptorship of the Hospital Director. The resident is provided a stipend to assist in meeting normal expenses.

Appendixes



Appendix A

University System of Georgia Board of Regents

		Current Term
JOHN A. BELL, JR., Dublin	State-at-Large	1970-1977
LAMAR R. PLUNKETT, Bowdon	State-at-Large	1974-1981
JESSE HILL, JR., Atlanta	State-at-Large	1973-1978*
MILTON JONES, Columbus	State-at-Large	1974-1981
SAM A. WAY, III, Hawkinsville	State-at-Large	1972-1976*
MRS. HUGH PETERSON, SR., Ailey	First District	1970-1976
JOHN I. SPOONER, Donalsonville	Second District	1968-1975
JOHN H. ROBINSON, III, Americus	Third District	1972-1979
JOHN R. RICHARDSON, Conyers	Fourth District	1970-1977
W. LEE BURGE, Atlanta	Fifth District	1968-1975
DAVID H. TISINGER, Carrollton	Sixth District	1971-1978
JAMES D. MADDOX, Rome	Seventh District	1973-1980
CHARLES A. HARRIS, Ocilla	Eighth District	1971-1978
P.R. SMITH, Winder	Ninth District	1973-1980
CAREY WILLIAMS, Greensboro	Tenth District	1972-1979

* Unexpired portion of seven-year term

Officers and Staff

CHARLES A. HARRIS, Chairman
JOHN A. BELL, JR., Vice Chairman
GEORGE L. SIMPSON, JR., Chancellor
JOHN O. EIDSON, Vice Chancellor
JOHN W. HOOPER, Associate Vice Chancellor
HENRY G. NEAL, Executive Secretary
SHEALY E. McCOY, Vice Chancellor-Fiscal Affairs and Treasurer
JAMES E. BOYD, Vice Chancellor-Academic Development
FRANK C. DUNHAM, Vice Chancellor-Construction and Physical Plant
MARIO J. GOGLIA, Vice Chancellor-Research
HOWARD JORDAN, JR., Vice Chancellor-Services
HARRY B. O'REAR, Vice Chancellor-Health Affairs
HASKIN R. POUNDS, Assistant Vice Chancellor
JAMES L. CARMON, Assistant Vice Chancellor-Computing Systems
MRS. HUBERT L. HARRIS, Assistant Vice Chancellor-Personnel
ROBERT M. JOINER, Assistant Vice Chancellor-Communications
HARRY H. MURPHY, JR., Director of Public Information
C.C. MURRAY, Director of Interinstitutional Programs in International Affairs

Appendix B

Administration

President
William H. Moretz

President Emeritus
Edgar R. Pund

Provost
Robert A. Liebelt

Vice-President & Treasurer
James A. Blissit

Dean, School of Allied Health Sciences
Raymond C. Bard

Dean, School of Dentistry
Judson C. Hickey

Dean, School of Graduate Studies
Sam A. Singal

Dean, School of Medicine and Medical Director
Curtis H. Carter

Dean, School of Nursing
Dorothy T. White

Dean Emerita
Louise E. Grant

Director, Business Services
Donald C. Smith

Director, Division of Systems and Computer Services
J. B. Mathews

Comptroller
H. Alan Campbell

Comptroller Emeritus
Thomas N. Dwyer

Director (Acting), Division of Educational Research & Development
Robert A. Liebelt

Director, Division of Health Communications
James H. R. Sutherland

Director, Division of Health Systems Engineering
Harold E. Smalley

Administrator For Hospital & Clinics
Richard E. Gillock

Director, Division of Institutional Relations
James C. Austin

Librarian
Thomas G. Basler

Director, Personnel Division
John C. Evers

Director, Physical Plant Division
W. Clay Adamson, Jr.

Director, Procurement
Willard W. Prior

Director, Division of Student Affairs
James B. Puryear

Associate Director
Bernard J. Abbott

Assistant Director, Minority Student Affairs
James E. Carter, III.

Registrar
George M. Martin

Director of Women's Activities
Shirley K. Rodgers

Director of Financial Aid
David W. Johnson

MEDIHC Admissions Counselor
James McLeod

Coordinator of Undergraduate Admissions
Jennie L. Loudermilk

Admissions Counselor
Elizabeth Griffin

Coordinator of Student Activities
Larry E. Grabb

Appendix C

Faculty Listings

***Asterisk indicates Graduate Faculty Appointment.**

***Abdel-Latif, Ata A.,** Associate Professor, Cell and Molecular Biology. DePaul University, B.S., M.S.; Illinois Institute of Technology, Ph.D.

Abele, Donald C., Professor, Dermatology and Medicine. Central Methodist College, B.A.; Washington University Medical School, M.D.

Abney, Thomas O., Assistant Professor, Endocrinology. University of Georgia, B.S., M.S., Ph.D.

Aboul-Khair, S.A., Instructor, Medicine. Alexandria University, M.D.; Aberdeen University, Ph.D.

Achord, James L., Associate Professor, Medicine. Emory Medical School, M.D.

Ackerman, Robert, Instructor, Periodontics. Medical College of Georgia, D.M.D.

Adams, Sarah Chapman, Clinical Instructor, Physical Therapy. Medical College of Georgia, B.S.

Agostas, William N., Clinical Professor, Medicine. Augusta College; University of Georgia; Medical College of Georgia, M.D.

Ahearn, A. Mason, Clinical Instructor, Surgery (Orthopedics). Cornell University, M.D.

***Ahlquist, Raymond P.,** Professor and Chairman, Pharmacology. University of Washington, B.S., M.S., Ph.D.

Akamatsu, Yasuyuki, Assistant Professor, Pathology. Nara Medical College, M.D.; Osaka University, Ph.D.

Alexander, V. Thomas, Assistant Clinical Professor, Medical Technology. Kerala University, B.S., B.Ed., M.S.; University of Virginia, Ph.D.

***Allen, Lane,** Professor, Anatomy. University of Georgia, B.S., M.S.; Georgetown University, Ph.D.; Medical College of Georgia, M.D.

Allen, Marshall B., Jr., Professor and Chief, Surgery (Neurosurgery). University of Mississippi, B.A.; Harvard University, M.D.

Allen, Patrick, Assistant Professor, Oral Surgery. University of Tennessee, D.D.S.; University of Minnesota, M.S.

Allen, Virginia, Instructor, Occupational Therapy. Indiana University, B.S.

Allgood, Andrew, Instructor, Restorative Dentistry. Medical College of Georgia, D.M.D.

Allison, J. Richard, Associate Clinical Professor, Dermatology. University of North Carolina, A.B.; Medical College of South Carolina, M.D.

Allmond, Reamer, Clinical Dentist, Pediatrics. Medical College of Georgia, D.M.D.

Althisar, Henry M., Assistant Professor, Medicine. Medical College of Georgia, M.D.

Alvarez-Mena, Sergio C., Associate Clinical Professor, Medicine. LaSalle College, B.S.; Matanzas Institute, B.S.; Havanna School of Medicine, M.D.

Anderson, Ann S., Assistant Professor, Medical Technology. University of Georgia, B.S.; Medical College of Georgia, M.S.

Anderson, Frank P., Jr., Professor, Pediatrics, Chief, Section Respiratory Science. Davidson College, B.S.; Medical College of South Carolina, M.D.

Anusavice, Kenneth, Assistant Professor, Restorative Dentistry, Worcester Polytechnic Institute, B.S.; University of Florida, Ph.D.

Armour, Genevieve, Instructor, Maternal-Child Nursing. Montana State University, B.S.N.

Aseron, Cirilo, Assistant Professor, Pediatrics and Radiology. University of Santo Tomas, Manilla, M.D.

Asokan, Sankaran K., Associate Professor, Medicine. All India Institute of Medical Science, M.B.B.S.

*__Ault, Leilee P.,__ Professor, School of Nursing and School of Graduate Studies. University of Pennsylvania, B.S.N.E., M.S.

Aziz, Ezzat M., Assistant Professor, Pediatrics. W. Middlesex Hospital, London, England, D.C.H.; Shams University, Cairo, Egypt, M.B.

Baab, Beatrice S., Instructor, Physical Therapy. Sargent College-Boston University, B.S.

Badger, Walter L., Assistant Professor, Community Dentistry. University of Maryland, D.D.S. D.D.S.

Bailey, Henry W., Clinical Instructor, Surgery. Medical College of Georgia, M.D.

Bailey, Joseph P., Jr., Associate Dean, Clinical Sciences. Professor, Medicine. Chief, Rheumatology. Mercer University, B.S.; Medical College of Georgia, M.D.

Bailey, Thomas E., Associate Clinical Professor, Pediatrics. Medical College of Georgia, M.D.

*__Bard, Raymond C.,__ Professor, Cell and Molecular Biology. Dean, School of Allied Health Sciences. College of the City of New York, B.S.; Indiana University, M.A., Ph.D.

Barfield, William E., Assistant Professor, Obstetrics and Gynecology. The Citadel, B.S.; Emory University, M.D.

Barton, Betty, Research Associate, Pathology. University of South Carolina, M.S., B.S.

Basler, Thomas G., Associate Professor of Health Communications, Librarian. University of Miami, B.Ed; Florida State University, M.S.

Batchelor, Bill, Instructor, Pedodontics. Medical College of Georgia, D.M.D.

Battey, Louis L., Clinical Professor, Medicine. College of the Holy Cross, B.S.; Medical College of Georgia, M.D.

Bazemore, J. Malcolm, Clinical Professor Emeritus, Medicine. Medical College of Georgia, M.D.

Beasley, James L., Research Associate, Surgery.

Beaudreau, David E., Associate Dean, Clinical Sciences. Professor, Restorative Dentistry. University of Washington, School of Dentistry, D.D.S.; University of Pennsylvania, Graduate School of Medicine, M.S.D.

Becton, James L., Assistant Clinical Professor (Orthopedics). Wake Forest College, B.S.; University of Minnesota, M.S.; Medical College of Georgia, M.D.

Beeson, C. Walker, Assistant Clinical Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Beglau, Donald, Assistant Professor, Restorative Dentistry. Mt. San Antone Junior College, A.A.; LaSierra College, B.A.; Loma Linda University School of Dentistry, D.D.S.

Belk, Beverly, Assistant Professor, Pediatrics. Mercer University, A.B.; Medical College of Georgia, M.D.

Bell, Lee, Instructor, Periodontics. Medical College of Georgia, D.M.D.

Bennett, James W., Professor, Pediatrics. Medical College of Georgia, M.D.

Bennett, Robert, Clinical Professor, Medicine. University of Minnesota, M.S.; University of Pittsburgh, B.S., M.D.

Benton, Edred C., Assistant Professor, Periodontics. Emory University, B.S.; Emory University School of Dentistry, D.D.S., M.S.D.

Berg, Edward W., Assistant Professor, Surgery (Orthopedics) and Assistant Professor, Medicine (Rheumatology). University of Colorado, B.A., M.D.

Berlin, Jacob, Assistant Professor, Coordinator of Counseling Resources, Mental Health-Psychiatric Nursing. University of North Carolina, M.S.

***Best, Gary K.,** Associate Professor, Cell and Molecular Biology. Southwestern State College, B.S.; Oklahoma State University, Ph.D.

Beyer, James A., Clinical Instructor, Medical Technology. University of South Dakota, B.A.

Bhatti, Nazir A., Assistant Professor, Surgery (Orthopedics). Government College, F.Sc.; King Edward Medical College, M.B.B.S.

Bishop, Georgianne, Instructor, Department of Surgery (Orthopedics). Woman's College of Georgia, A.B.; University of Chicago, M.A.

Bittle, C. Robert, Assistant Clinical Professor, Anesthesiology. Duke University; Bowman Gray School of Medicine, M.D.

***Black, Owen, Jr.,** Assistant Research Professor, Medicine and Cell and Molecular Biology. University of Oklahoma, B.S.; University of Oklahoma Medical Center, M.S., Ph.D.

Blackburn, David, Instructor, Radiologic Technology. Shorter College, B.S.; University of Tennessee, M.S.

Blalock, Harvey S., Instructor, Surgery (Orthopedics). Shorter College, A.B.; Medical College of Georgia, M.D.

Blanchard, Thomas W., Assistant Professor, Surgery (Urology). The Citadel, B.S.; Medical College of South Carolina, M.D.

Blevins, Keith S., Assistant Professor, Oral Surgery. Hope College, B.A.; Medical College of Virginia, School of Dentistry, D.D.S.

Blitch, Pierce G., Jr., Assistant Clinical Professor, Medicine. Emory University, A.B.; Medical College of Georgia, M.D.

Bliven, Floyd E., Jr., Professor, Surgery. Chief, Orthopedics. University of Rochester, A.B., M.D.

Bollet, Alfred Jay, Professor and Chairman, Medicine. New York University, B.S., M.D.

Bond, Winkler D., Assistant Professor, Psychiatry. University of Arizona, B.A., B.S., University of Tennessee Medical Unit, M.D.

Botnick, Robert S., Associate Clinical Professor, Medicine. Duke University, B.S.; Baylor Medical School, M.D.

Bowden, Talmadge A., Jr., Assistant Professor, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

Bowen, John B., Associate Clinical Professor, Surgery. Medical College of Georgia, M.D.

Bowers, Irma W., Clinical Instructor, Medical Technology. North Georgia College, B.S.

Bowles, Lester L., Professor Emeritus of Anatomy. Franklin College, A.B., Indiana University, M.D.

Boyd, Claud A., Clinical Instructor, Dermatology. University of Mississippi, B.S.; University of Miami, M.D.

Boyd, William S., Associate Clinical Professor, Obstetrics-Gynecology. University of Georgia, B.S.; Emory University, M.A.; Medical College of Georgia, M.D.

Bramblett, Richard M., Assistant Professor, Health Systems Engineering, Assistant Director, Division of Systems & Computer Services. Georgia Institute of Technoloby, B.I.E., M.S.I.E.

Bransome, Edwin, Jr., Professor, Medicine; Chief of Metabolic and Endocrine Disease. Yale University, A.B.; University of Colorado, M.D.

Braselton, W. Emmett, Jr., Assistant Research Professor, Medicine; Assistant Professor, Endocrinology. University of Wisconsin, B.S., M.S., Ph.D.

***Bresnick, Edward,** Dean (Acting) School of Graduate Studies. Professor and Chairman, Cell and Molecular Biology. St. Peter's College, B.S.; Fordham University, M.S., Ph.D.

Bridges, H. Benton, Clinical Instructor, Surgery (Orthopedics). Emory University, A.B.; Medical College of Georgia, M.D.

Bridges, Mercer T., Instructor, Surgery (Orthopedics). Furman University, B.A.; Columbia University, M.A.; Medical College of Georgia, M.S.

Brizel, Herbert, Professor and Chief, Radiation Therapy. Cornell University, A.B.; Northwestern University, M.D.

Brocato, Simone, Clinical Instructor, Medicine. Loyola University, B.S.; Tulane University, M.D.

Brodie, Anne R., Clinical Instructor, Medical Technology. M.T. (A.S.C.P.).

Bronstein, Edwin S., Associate Professor and Chief, Maternal Health and Family Planning. State University of New York, B.A.; University of California, Berkeley, M.P.H.; Downstate Medical Center of New York, M.D.

Brooks, Bonnie M., Chief Occupational Therapist and Instructor, Occupational Therapy. Indiana University, B.S.

Brooks, Jack D., Assistant Professor, Community Dentistry. Indiana University, D.D.S.; Iowa University, M.S., M.A.

Brown, Allen, Assistant Clinical Professor, Community Medicine. Meharry Medical College, M.D.

Brown, Audrey K., Professor, Pediatrics. Chief, Section of Hemotology. Barnard College, B.A.; Columbia University, M.A.; Columbia University College of Physicians and Surgeons, M.D.

Brown, Barbara N., Clinical Instructor, Dermatology. Furman University, B.S.; Medical University of South Carolina, M.D.

Brown, Deedee H., Clinical Instructor, Medical Record Administration. Medical College of Georgia, B.S.

Brown, Jessie O., Assistant Professor, Dental Hygiene and Community Dentistry. University of Alabama, R.D.H.; Medical College of Georgia, B.S.

Brown, James D., Assistant Professor, Assistant Coordinator for Patient Care. Tufts University, D.M.D.

Brown, Mark, Professor and Chairman, Radiology. Chief, Nuclear Medicine. Medical Director, Radiologic Technology. University of Miami, B.S.; Vanderbilt University, M.D.

Brown, Stephen W., Associate Clinical Professor, Radiology. Louisiana State University, B.S., M.D.

Brown, Walter J., Jr., Professor, Medicine, (Hypertension and Clinical Pharmacology). Brown University, A.B.; University of Rhode Island, M.S.; Medical College of Georgia, M.D.

*__Brownell, George H.,__ Associate Professor, Cell and Molecular Biology. University of Minnesota, B.A.; University of South Dakota, M.A., Ph.D.

Brownell, Julie P., Clinical Instructor, Medical Technology. University of South Dakota, B.A.

Brucker, Paul J., Assistant Professor and Director, Developmental Dental Studies. Associate Director of Health Communications. College of William and Mary, A.B.; Indiana University, M.S., Ed.D.

Bruggemann, Linda F., Clinical Instructor, Medical Technology. University of Georgia, B.S.

*__Bruno, Susan M.,__ Associate Professor, School of Nursing; Associate Dean, Continuing Education. Catholic University, B.S.N.; University of Rochester, M.S.

Bruns, William L., Jr., Clinical Instructor, Obstetrics-Gynecology. University of Georgia, B.S.; Medical College of South Carolina, M.D.

Bryans, C. Iverson, Jr., Professor and Vice-Chairman, Obstetrics-Gynecology. Chief, Section of Obstetrics. University of Georgia, B.S.; Medical College of Georgia M.D.

Bryant, Arthur R., Clinical Professor, Psychiatry. Boise Junior College, A.A.; University of Utah, B.S., M.S., Ph.D.

Bulkacz, Jaime, Assistant Professor, Cell and Molecular Biology and Oral Biology-Microbiology (Dentistry). University of Buenos Aires, Doctor of Odontology; University of California, Ph.D.

Bunn, Gerald T., Assistant Professor, Restorative Dentistry. Emory University, D.D.S.

Burch, Sandra E., Instructor, Radiology. Emory University, B.S., M.M.Sc.

Burgamy, Clyde A., Clinical Instructor, Obstetrics-Gynecology. Emory University; Medical College of Georgia, M.D.

Burgin, Robert F., Associate Administrator, Hospital and Clinics. Assistant Professor, Medical Record Administration. University of Michigan, M.H.A.

* **Burnett, George W.,** Professor and Associate Dean, Biologic Sciences (Dentistry); Chairman and Professor, Oral Biology; Professor, Cell and Molecular Biology. Texas Technological College, B.A.; University of Texas, M.A.; Washington University, D.D.S., University of Rochester, Ph.D.

Burns, Mable L., Clinical Instructor, Physical Therapy. Ohio State University, M.S.

Burrell, Lenette O., Assistant Professor, Adult Nursing. Woman's College, B.S.; Medical College of Georgia, M.S.N.

Burroughs, Gerald W., Associate Professor, Psychiatry. University of Georgia, B.S.; Medical College of Georgia, M.D.

* **Bustos-Valdes, Sergio E.,** Associate Professor, Oral Biology. Assistant Professor, Cell and Molecular Biology. University of Chile, D.D.S.; University of Rochester, Ph.D.

Butler, Cynthia, Research Associate (Neurology). Paine College, A.B.; Claremont Graduate School, M.A.

Byne, J. Miller, Jr., Associate Clinical Professor, Medicine, Medical College of Georgia, M.D.

* **Byrd, J. Rogers,** Assistant Professor, Endocrinology. Wake Forest College, B.S.; University of Michigan, M.A., Ph.D.

Cabiness, C. Daniel, Assistant Clinical Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Caldwell, Joseph L., Jr., Assistant Clinical Professor, Surgery. Medical College of Georgia, M.S.

Calvert, Jon C., Assistant Professor, Family Practice. Leland Stanford, B.A.; Baylor University College of Medicine, M.Sc., M.D., Ph.D.

* **Candelas, Graciela C.,** Associate Professor, Cell and Molecular Biology. University of Puerto Rico, B.S.; Duke University, M.A.; University of Miami, Ph.D.

Cardosa, David, Assistant Clinical Professor, Obstetrics and Gynecology. Santanejer, B.S.; National University of Columbia, M.D.

Carlton, William H., Assistant Professor, Radiology. Emory University, B.S., M.S.; Rutgers University, Ph.D.

*__Carr, Albert A.,__ Professor, Medicine. Director, Clinical Investigation Unit, Chief, Section of Hypertension and Clinical Pharmacology. University of Virginia, B.A., M.D.

Carr, Wesley A., Assistant Professor, Oral Surgery. Assistant Clinical Professor, Surgery. University of Georgia, B.S.; Southern Dental College, D.D.S.

Carrier, Gerald, Instructor, Pharmacology. University of Mississippi, M.S.; University of Texas Medical School, Ph.D.

Carrington, Kenneth W., Assistant Clinical Professor, Surgery (Neurosurgery). Virginia Military Institute, A.B.; University of Pennsylvania, M.D.

Carson, Elise W., Assistant Professor, Adult Nursing. University of Georgia, B.S., M.S.

Carswell, Augustin S., Assistant Clinical Professor, Surgery (Orthopedics). Georgia Teachers College, B.S.Ed.; Medical College of Georgia, M.D.

*__Carter, Curtis H.,__ Dean and Medical Director, School of Medicine. Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Carter, Jack W., Assistant Professor, Orthodontics. Bradley University, B.S.M.F.; University of Kentucky, School of Dentistry, D.M.D.

Carter, Mary J., Associate Professor, Medicine; Assistant Professor, Pediatrics. Acting Chief, Section of Infectious Diseases. Baylor University, B.S.; Bowman Gray School of Medicine, M.D.

Casteen, Elane L., Clinical Instructor, Medical Technology. Clemson University, A.D.

Chambers, R. Gerald, Assistant Professor, Psychiatry. North Georgia College, B.S.; Medical College of Georgia, M.D.

Chandler, A. Bleakley, Professor, Pathology. Medical College of Georgia, M.D.

Chandler, John L., Clinical Professor, Surgery (Orthopedics). Alabama University, B.A.; Medical College of Georgia, M.D.

Chew, William H., Jr., Professor, Medicine. Medical College of Georgia, M.D.

*__Chiang, Tzu Sung,__ Assistant Professor, Pharmacology. National Taiwan University, B.S., M.S.; University of Kansas Medical School, Ph.D.

Chin, Chang-Kon, Clinical Instructor, Medicine. Seoul National University, M.D.

Christian, Joe David, Jr., Assistant Professor, Surgery (Orthopedics). University of Georgia, B.S.; Medical College of Virginia, M.D.

Chumley, Carol D., Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

Ciarlone, Alfred E., Assistant Professor, Oral Biology and Pharmacology. University of Pittsburgh, D.D.S., Ph.D.

Clardy, Richard L., Assistant Clinical Professor, Orthodontics. University of Tennessee, College of Dentistry, D.D.S., M.S.

Clark, Sarah L., Assistant Clinical Professor, Medicine and Endocrinology. Brenau College, A.B.; Western Reserve University, M.S.; Medical College of Georgia, M.D.

Clark, Thelma T., Instructor, Medical Record Administration. Medical College of Georgia, B.S.

Clary, Thomas L., Jr., Associate Clinical Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Clay, Cassius M., Assistant Professor, Radiology. Massachusetts Institute of Technology, B.S., M.S.

Cleckley, Hervey M., Clinical Professor, Psychiatry. University of Georgia, B.S.; Oxford University, B.A.; Medical College of Georgia, M.D.

Clements, James D., Associate Clinical Professor, Pediatrics. Emory University, B.A.; Medical College of Georgia, M.D.

Coale, Margaret S., Instructor, Pediatrics. West Virginia Wesleyan College, B.S.; Cornell University, M.S.

Coleman, Blanche D., Clinical Instructor, Obstetrics-Gynecology. Wesleyan College, A.B.; Mercer University, M.S.Ed.; Medical College of Georgia, M.D.

Coles, Robert, Assistant Professor, Oral Surgery. University of Pittsburgh, D.M.D.

Collins, Joyce, Assistant Professor, Neurology; Clinical Instructor, Occupational Therapy. Mount Mary College, B.S.

Collins, Myron D.F., Instructor, Surgery (Orthopedics). Medical College of Georgia, M.D.

Conley, Howard W., Associate Professor, Orthodontics. Loma Linda University, M.S.; College of Physicians and Surgeons of San Francisco—University of the Pacific, D.D.S.

Conner, Harold M., Research Associate, Pathology. Gupton-Jones School of Mortuary Science, B.M.S.

Cook, Elizabeth H., Assistant Professor, Medicine. North Georgia College, B.S.; Medical College of Georgia, M.S., Ph.D.

Cook, James T., Assistant Clinical Professor, Pediatrics. Xavier University, B.S.; Stritch College of Medicine, M.D.

Cormier, Rene E., Assistant Professor, Medicine. Boston College, A.B.; McGill University, M.D., C.M.

Corpe, Raymond F., Assistant Clinical Professor, Surgery (Thoracic/Cardiac). University of Illinois, M.S.

Coryell, Margaret E., Instructor, Cell and Molecular Biology. University of Colorado, A.B.; University of Michigan, M.S., Ph.D.

Costen, Patricia, Clinical Instructor, Physical Therapy. University of Georgia, B.S.; Mayo Clinic. Certificate in Physical Therapy; University of Southern California, M.A.

*__Costoff, Allen,__ Assistant Professor, Endocrinology. Marquette University, B.S., M.S.; University of Wisconsin, Ph.D.

Craig, James B., Clinical Professor, Psychiatry. University of Michigan, M.S.; Medical College of Georgia, M.D.

Crimmins, James P., Assistant Dean for Business Affairs. Northern Illinois University, B.S.

Croley, James J., Clinical Instructor, Community Medicine. University of Tennessee, B.S.; University of Kentucky, M.S.; Yale University, M.P.H.

Crouch, Mickey M., Assistant Professor, Psychiatry. Medical College of Georgia, M.D.

Crowley, Julia R., Clinical Instructor, Medical Technology. Kansas State University, B.S.; University of Hawaii, M.S.

Cudd, J. T., Assistant Professor, Orthodontics. Emory University, D.D.S.

Cumming, Joseph B., Lecturer Emeritus, Forensic Medicine. Princeton University, LL.B.

Cundey, David W., Clinical Instructor, Medicine. LaSalle College, B.A.; Temple University School of Medicine, M.D.

Cundey, Paul E., Jr., Assistant Professor, Medicine. LaSalle College, B.S.; Temple University School of Medicine, M.D.

***Currier, Dean P.,** Assistant Professor, Physical Therapy. East Stroudsburg State College, B.S.; Medical College of Virginia, Certificate Physical Therapy; New York University, M.A.; University of Maryland, Ph.D.

Curtis, John R., Associate Clinical Professor, Neurology. University of North Carolina, B.A., M.D.

***Cutroneo, Kenneth R.,** Assistant Professor, Cell and Molecular Biology. Providence College, A.B.; University of Rhode Island, M.S., Ph.D.

Daitch, Ronald, Assistant Professor, Obstetrics and Gynecology University of Georgia, B.S.; Medical College of Georgia, M.D.

Dallman, John J., Assistant Professor, Physiology. University of Minnesota, B.A., M.S., Ph.D.

Damon, Meffie S., Assistant Professor, Dental Hygiene and Community Dentistry. University of Iowa, B.S., R.D.H.

Daniel, Ernest F., Clinical Instructor, Surgery (Neurosurgery). Emory University, A.B.; Medical College of Georgia, M.D.

Das Gupta, Guatam, Assistant Professor, Medicine. Scottish Church College, I.Sc.; Medical College of India, M.B.B.S.

***Davidson, Preston Lee,** Associate Dean, Undergraduate Programs in Nursing. Chairman, Distributive Nursing. Associate Professor, School of Nursing, School of Graduate Studies. Tulane University, B.S.; Georgia Southern, M.Ed.

Davis, Carl O., Associate Professor, Dental Education, Division of Educational Research and Development. Associate Professor, Oral Medicine. Director of Evaluation. Arkansas University, B.S.; University of Tennessee, D.D.S.; University of Iowa, M.S., M.A., Ph.D.

Davis, Edward N., Assistant Professor, Psychiatry. University of Georgia, B.S.; Medical College of South Carolina, M.D.

DeBruler, Edna M., Professor and Chairman Community Nursing. University of Pittsburgh, Graduate School of Public Health, M.P.H.

*__Delahayes, Jean F.,__ Associate Professor, Physiology. University of Paris, France, M.S., Ph.D.

Della-Guistina, Victor, Associate Professor, Community Dentistry. Springfield College, B.S.; Loyola University, School of Dentistry, D.D.S.; Tulane University Graduate School of Medicine, M.P.H.

*__DeLorey, Philip E.,__ Associate Dean, School of Nursing and Curriculum Development; Professor, School of Nursing and Graduate Studies. Columbia University, B.S., Ed.M.

Deneen, L. J., Instructor, Restorative Dentistry. Loras, B.A.; University of Arizona, M.A.; University of Georgia, Ph.D.

Dennis, Allen J., Jr., Associate Professor, Medicine (Renal). Rice University, A.B.; Columbia University, College of Physicians and Surgeons, M.D.

*__Denton, J. Fred, Jr.,__ Professor, Cell and Molecular Biology. University of Georgia, B.S. M.S.; Rice University, Ph.D.; Medical College of Georgia, M.D.

DeVore, Margaret B., Professor, Anesthesiology. Winthrop College, A.B.; Medical College of South Carolina, M.D.

Dias, Bettie J., Assistant Professor, Occupational Therapy and Physical Therapy. Ohio State University, B.S.; University of Southern California, M.A.

DiBenedetto, Robert J., Associate Clinical Professor, Medicine. St. John's College, B.S.; State University of New York Downstate College of Medicine, M.D.

DiMascio, Lynne, Clinical Instructor, Pediatrics. Valdosta State College, B.S.; Medical College of Georgia, M.D.

*__Dirksen, Thomas R.,__ Professor, Oral Biology. Professor, Cell and Molecular Biology. Coordinator, Biochemistry (Dentistry). Bradley University, B.S.; University of Illinois, D.D.S.; University of Rochester, M.S., Ph.D.

Disque, Fredrick C., Assistant Professor Surgery (Medicine) and Oral Surgery. Rutgers University, B.A.; University of Pennsylvania, D.M.D.

Ditchfield, Alda L., Professor Emerita, Nursing. University of Oregon, B.S.; Columbia University, M.A.

Dienst, Robert B., Professor Emeritus, Microbiology. Baylor University, B.A., M.A.; University of Chicago, Ph.D.

Dixon, Jack L., Instructor, Radiologic Technology. University Hospital, Augusta, R.T.; Naval Medical School, R.I.T., Medical College of Georgia, B.S.

Dixon, William L., Clinical Instructor, Surgery. Columbia College, B.A.; New York Medical College, M.D.

*__Doetsch, Gernot S.,__ Assistant Professor, Physiology and Surgery. DePauw University, B.A.; Duke University, Ph.D.

Douglass, Thomas G., Assistant Clinical Professor, Medicine. Davidson College, B.S.; Emory University, M.D.

*__Dow, Philip,__ Professor Emeritus, Physiology. University of Michigan, B.S.; Yale University, Ph.D.

__Duffes, George R.,__ Assistant Clinical Professor, Psychiatry. University of Edinburgh, M.B., Ch.B.

__Dunagan, Donald,__ Clinical Instructor, Pediatrics. North Georgia College, B.S.; Medical College of Georgia, M.D.

__Dunagin, Percy,__ Instructor, Pathology (Laboratory Medicine). Southern Missionary College, B.A.; University of Florida, Ph.D.

__Dunaway, Lacy D.,__ Instructor, Pediatrics. Hollins College, A.B.; Tulane University, M.S.W.

__Duncan, Marjorie,__ Assistant Professor, Adult Nursing. Hunter College, M.S.

__Dunlap, Dickson B.,__ Associate Professor, Medicine. University of North Carolina, B.S., M.D.

__Dunn, Maurice,__ Associate Clinical Professor, Psychiatry. University of Illinois, B.S., M.D.

__Durst, Edward F.,__ Clinical Instructor, Surgery. Medical College of Georgia, M.D.

__Dyken, Paul R.,__ Professor, Pediatrics and Neurology. Indiana University, B.S., M.D.

__Echols, George L.,__ Assistant Clinical Professor, Pediatrics. Emory University, B.A.; Medical College of Georgia, M.D.

__Echols, Joseph M.,__ Clinical Instructor, Obstetrics-Gynecology. Medical College of Georgia, M.D.

__Edmondson, H. Turner,__ Associate Professor, Surgery. Emory University, A.B.; Medical College of Georgia, M.D.

__Edwards, Amelia B.,__ Instructor, Occupational Therapy. University of Illinois, B.S.

__El Gammal, Taher,__ Professor, Radiology. Cairo University, M.D.; Neurological Institute, F.F.R.

__Elkins, Ralph L.,__ Associate Clinical Professor, School of Nursing; Assistant Clinical Professor, School of Medicine. University of Georgia, Ph.D.

__Ellegood, James O.,__ Instructor, Endocrinology. Murray State College, B.S.; Medical College of Georgia, M.S.

__Ellington, Preston D.,__ Assistant Clinical Professor, Pediatrics. Emory University, A.B.; Medical College of Georgia, M.D.

__Ellis, Linda A.,__ Assistant Professor, Mental Health and Psychiatric Nursing, Adult Nursing. Medical College of Georgia, B.S.N., M.S.N.

__Ellison, Lois T.,__ Professor, Medicine. Professor, Surgery (Thoracic). Associate Professor, Physiology. University of Georgia, B.S.; Medical College of Georgia, M.D.

__Ellison, Robert G.,__ Charbonnier Professor, Surgery. Chief, Surgery (Thoracic). Vanderbilt University, A.B.; Medical College of Georgia, M.D.

Engler, Harold S., Professor, Surgery. Medical College of Georgia, M.D.

Erbland, John F., Assistant Professor, Oral Biology. University of Rochester, A.B., Ph.D.

Erkulvrawatr, Samard, Assistant Professor, Neurology. University of Thailand, M.D.

Erwin, Goodloe Y., Clinical Instructor, Medicine. University of Georgia, B.S.; Emory University, M.D.

Estep, James A., Instructor, Department of Physician's Assistants. Middle Tennessee State University, B.S.

Evans, Sandra J., Assistant Professor, Distributive Nursing and Adult Nursing. Medical College of Georgia, M.S.N.

Everett, Theodore, Assistant Clinical Professor, Surgery (Urology). Tulane University, M.D.

Faguet, Guy B., Assistant Professor, Medicine. Colegio Biffi-Lasalle, B.S.; Universidad Jaueriana, M.D.

Fair, Donna, Assistant Professor, Adult Nursing. Medical College of Georgia, M.S.N.

Fairhurst, Carl W., Professor and Coordinator of Dental Materials, Restorative Dentistry. Marquette University, M.S.; Northwestern University, Ph.D.

Farr, Walter F., Assistant Professor, Psychiatry. University of Georgia, B.S.; Medical College of Georgia, M.D.

Faulkner, Alva H., Assistant Clinical Professor, Obstetrics-Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Fazzari, Patrick J., Clinical Instructor, Pediatrics. Manhattan College, B.S.; Albany Medical College, M.D.

Feinstein, Arthur C., Instructor, Surgery (VA Service). Emory University, B.A.; Medical College of Georgia, M.D.

Feldman, Daniel S., Professor, Medicine and Neurology. University of Pennsylvania, A.B.; University of Pennsylvania School of Medicine, M.D.

Feldman, Elaine B., Professor, Medicine. New York University, A.B., M.S., M.D.

Fender, Richard H., Assistant Professor, Restorative Dentistry. Emory University, School of Dentistry, D.D.S.

Fiebiger, Guy E., Assistant Professor, Prosthodontics. University of Louisville, B.A.; University of Louisville, School of Dentistry, D.M.D.

Findley, Thomas, Professor Emeritus, Medicine. Princeton University, B.A.; University of Minnesota, B.S.; Rush Medical College, M.D.

Finney, Herman R., Assistant Professor, Surgery (Urology). Medical College of Virginia, M.D.

Fish, Joan M., Assistant Professor, Occupational Therapy. Columbia University, B.S.; State University of New York at Buffalo, M.S.

Fiveash, Arlie E., Assistant Professor, Radiology, Assistant Director, Radiation Therapy. Emory University, A.B.; Medical College of Georgia, M.D.

Flanagin, Wiley S., Associate Professor, Surgery (Plastic). University of Georgia, B.S.; Medical College of Georgia, M.D.

Forbes, Lowell A., Instructor, Department of Physician's Assistants. Hahnemann Medical College, A.S.; University of Delaware, B.A.

Forde, Edward B., Instructor, Health Communications. Instructor, Developmental Dental Studies. Erskine College, B.S.; University of Georgia, M.Ed.

Forde, Kathleen C., Instructor, Pediatrics. Limestone College, B.S.; University of Georgia, M.S.W.

Forrester, Edward S., Jr., Instructor, Surgery (Orthopedics). Medical College of Georgia, M.D.

Foster, Carolyn F., Assistant Professor, Community Nursing. Wake Forest University, M.A.

Fox, Douglas J., Assistant Professor, Pedodontics. University of Alberta, D.D.S.; University of Manitoba, M.Sc.

Franceschi, Aldo, Associate Professor, Urology (VA Section). University of Vermont, B.S.; University of Vermont, M.D.

Frank, Martin J., Professor, Medicine. Director, Hemodynamics Laboratory. University of Michigan, B.S., M.D.

Fraser, Richard, Assistant Professor, Medicine. South Africa College of Physiology and Surgeons, F.S.A.C.P.; University of Cape Town Medical School, C.M.B.

Fredrickson, Mildred, Associate Professor, Community Nursing. Memphis State University, M.A.

Freedman, Murray A., Instructor, Obstetrics and Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Freedman, Sandra N., Instructor, Radiology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Freeman, Charles, Jr., Assistant Clinical Professor, Surgery (Orthopedics). Medical College of Georgia, M.D.

Fritts, Kenneth W., Associate Professor, Restorative Dentistry. University of Nebraska, D.D.S.; University of Iowa, M.S.

Fritz, Bobby D., Associate Professor, Periodontics. Supervising Dentist, Dental Hygiene. Washington University, D.D.S.

Fry, Bill W., Assistant Professor, Oral Biology and Pharmacology. Valparaiso University, A.B.; Purdue University, B.S.Ch.E.; University of Washington, M.S.; University of Rochester, Ph.D.

Galloway, Ronald F., Assistant Professor, Surgery (Thoracic/Cardiac). Mercer University, A.B.; Medical College of Georgia, M.D.

***Gangarosa, Louis P.,** Professor, Pharmacology and Oral Biology, Coordinator, Pharmacology (Dentistry). University of Rochester, A.B., M.S., Ph.D.; University of Buffalo, D.D.S.

Garlick, John G., Associate Clinical Professor, Research Person, Open Curriculum Study (Pilot Project), Distributive Nursing. University of State of New York, M.S.

***Garlington, Octavia,** Associate Professor, Medical Illustration. Converse College, B.A. Medical College of Georgia, M.S.

Garman, Thomas A., Associate Professor, Restorative Dentistry. Indiana, D.D.S.; Ohio State, M.S.

Garrison, Alton F., Clinical Instructor, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

Garrison, Glen E., Professor, Family Practice. Director, Continuing Education. Associate Professor, Medicine. Wake Forest College, B.S.; Bowman Gray School of Medicine, M.D.

***Garver, Frederick A.,** Assistant Professor, Cell and Molecular Biology. Ohio State University, B.S.; University of Colorado Medical Center, Ph.D.

Gazda, George M., Professor, Psychiatry. University of Illinois, Ed.D.

***Geber, William F., Jr.,** Professor, Pharmacology. Dartmouth College, A.B.; Indiana University, M.S., Ph.D.

***Gelfant, Seymour,** Professor, Cell and Molecular Biology. University of California at Los Angeles, M.A.; University of Wisconsin, B.S., Ph.D.

Gelsie, Anne G., Clinical Instructor, Medical Technology. University of Iowa, B.S.; Ohio State University, M.S.

Gibson, Hugh H., Clinical Instructor, Obstetrics-Gynecology. Mercer University, A.B.; Medical College of Georgia, M.D.

Gillock, Richard E., Administrator, Hospital & Clinics. Associate Professor, School of Nursing. Assistant Dean of Health Affairs, School of Medicine. University of Chicago, M.B.A.

Gindin, Robert A., Assistant Professor, Surgery (Neurosurgery). Medical College of Virginia, M.D.

***Ginsburg, Jack M.,** Professor, Physiology. University of Pennsylvania, B.A.; Tulane University, Ph.D.

Glassman, Armand B., Chairman, Medical Technology; Associate Professor, Pathology, Cell and Molecular Biology; Director, Division of Laboratory Medicine. Rutgers University, B.A.; Georgetown University, M.D.

Glennan, Mary W., Instructor, Medical Record Administration, Medical College of Georgia, B.S.

Glover, Daniel H.G., Associate Clinical Professor, Community Medicine. Emory University, A.B.; University of North Carolina, M.P.H.; Medical College of Georgia, M.D.

***Golden, Betty M.,** Assistant Administrator/Director of Nursing Teaching Hospital, School of Graduate Studies. Assistant Clinical Professor, Nursing. Medical College of Georgia, B.S.N., M.S.N.

Goldman, Barry M., Assistant Professor, Prosthodontics. Emory, D.D.S.; University of Texas, M.S.

Goldstein, Lon M., Clinical Instructor, Surgery (Urology). Tulane Medical School, M.D.

Goodrich, Samuel M., Assistant Clinical Professor, Obstetrics and Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Goodwin, Henry N., Clinical Instructor, Surgery (Orthopedics). University of Georgia, B.S.; Medical College of Georgia, M.D.

Goodwin, Thomas W., Clinical Professor Emeritus, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

Gramling, Zachariah W., Professor and Chairman, Anesthesiology. College of Charleston, B.S.; Medical College of South Carolina, M.D.

Grant, E. Louise, Dean Emerita, School of Nursing. University of Minnesota, B.S.; Columbia University, M.A.

Gray, J. Dewey, Clinical Professor, Medicine. Medical College of Georgia, M.D.

Gray, Sally O., Instructor, Medical Technology. Research Associate, Medicine. University of North Carolina, B.S., M.S.

Green, A. Joseph, Associate Clinical Professor, Pediatrics. University of North Carolina, A.B.; Medical College of Georgia, M.D.

Green, B. Joseph, Professor and Chairman, Neurology. Professor, Pediatrics. St. Joseph's College of Philadelphia, B.S.; Jefferson Medical College of Philadelphia, M.D.

Green, Keith, Associate Professor, Ophthalmology. University of Leicester, B.S.; University of St. Andrews, Ph.D.

* **Greenblatt, Robert B.,** Professor Emeritus, Endocrinology. McGill University, B.A., M.D., C.M.

Greene, Jane M., Instructor, Obstetrics-Gynecology. University of Georgia, B.Ed.; University of Tennessee, M.S.

Greene, William W., Instructor, Medical Record Administration. University of Georgia, B.S.

Greenup, Patsy E., Instructor, Medical Technology. University of Kentucky, B.S.; University of Minnesota, M.S.

Griffin, Joseph W., Jr., Instructor and Chief Resident, Medicine. University of North Carolina, B.A.; University of North Carolina School of Medicine, M.D.

Griffin, Louie H., Assistant Professor, Surgery. Emory University, B.S.; Medical College of Georgia, M.D.

Gullen, Warren H., Associate Professor, Community Medicine. Chief, Epidemiology. University of Minnesota, B.S., M.D., M.P.H.

Guthrie, Florence A., Clinical Instructor, Physical Therapy. University of Colorado, B.A.

Haas, Melvyn L., Assistant Clinical Professor, Neurology. Cornell University, B.A.; New York University, M.D.

Hagar, Naomi J., Clinical Instructor, Medical Technology. Ohio State University, B.S.

Hagen, Donald L., Assistant Professor, Occupational Therapy, Physical Therapy. Utah State University, B.S., University of Southern California, Cert. P.T., Brigham Young University, M.S.; University of California at Los Angeles, M.P.H.

Hagler, William S., Associate Clinical Professor, Ophthalmology. Medical College of Georgia, M.D.

Hahn, Dorothy A., Associate Professor, Pediatrics. Women's College of North Carolina, A.B.; Bowman Gray School of Medicine, M.D.

Hair, L. Quimby, Clinical Professor, Medicine. University of South Carolina, B.S.; Medical College of Georgia, M.D.

Hall, Cecil H., Chairman and Assistant Professor, Radiologic Technology. Instructor, School of Medicine (Radiology). Hillsea College; Shooters-Hill School, Woolwich Polytechnic; Kings College Hospital, M.S.R., R.T.

Hall, Charles A., Assistant Professor, Restorative Dentistry. Louisville University, D.D.S.

Hall, Ethyl P., Instructor, Maternal-Child Nursing. Medical College of Georgia, M.S.N.

Hall, Mark R., Assistant Professor, Cell and Molecular Biology. Western Michigan, B.S.; Wayne State University, M.S., Ph.D.

*__Hall, W. Knowlton,__ Professor, Cell and Molecular Biology. Oregon State College, B.S., M.S.; State University of Iowa, Ph.D.

Hames, Curtis G., Associate Clinical Professor, Medicine and Community Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Hammer, Wade B., Associate Professor, Oral Surgery and Surgery. Emory University, School of Dentistry, D.D.S.

Hancock, Donald T., Clinical Instructor, Physical Therapy. West Virginia Wesleyan, B.S.; Duke University, Certificate in Physical Therapy.

Hand, Robert A., Assistant Clinical Professor, Pathology. Emory University, A.B.; Medical College of Georgia, M.D.

Handy, John R., Associate Clinical Professor, Medicine. Virginia Military Institute, B.A.; Duke University, M.D.

Hann, John R., Assistant Professor, Oral Surgery. Baker University, B.A.; University of Kansas City, School of Dentistry, D.D.S.

Hannah, Richard, Assistant Professor, Anatomy. University of Manitoba, B.S., M.S., Ph.D.

Hanson, Thomas A., Associate Clinical Professor, Pediatrics. University of Pennsylvania School of Medicine, M.D.

Harms, Barbara, Instructor, Medical Record Administration. Medical College of Georgia, B.S.

Harms, William S., Assistant Professor, Cell and Molecular Biology, Nursing. Rollins College, B.S.; Emory University, M.S.; State University of Iowa, Ph.D.

Harp, Rollie J., Assistant Professor, Systems and Computer Services. Carson-Newman College, B.S.; Florida State University, M.S.

Harper, Harry T., Jr., Clinical Professor, Medicine. Emory University, M.D.

Harper, Harry T., III, Clinical Instructor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Harper, Herbert S., Assistant Clinical Professor, Pediatrics. University of Georgia, B.S.; Medical College of Georgia, M.D.

Harris, William, Assistant Clinical Professor, Endodontics. Emory University, D.D.S.

Harrison, Frank N., Assistant Clinical Professor, Obstetrics-Gynecology. Medical College of Georgia, M.D.

Hartel, Jan F., Instructor, Maternal-Child Nursing. University of Florida, M.Ed.

Hartlage, Lawrence C., Associate Professor, Pediatrics & Neurology. Ohio State University, B.S.; University of Louisville, M.A., Ph.D.

Hartlage, Patricia L., Assistant Professor, Pediatrics & Neurology. St. Mary-of-the-Woods College, B.A.; Indiana University, M.D.

Hastings, E. Val, Associate Clinical Professor, Pathology. Marquette University, B.S., M.D.

Hawkins, Isaac K., Assistant Professor, Oral Biology and Anatomy. University of Texas, B.A.; University of Texas, Dental Branch, D.D.S.; Colorado State University, Ph.D.

Heid, David W., Associate Professor, Restorative Dentistry. Director, Dental Auxiliary Utilization. University of Washington, School of Dentistry, D.D.S.

***Hendrich, Chester E.,** Associate Professor, Physiology. University of Missouri, A.B., M.S., Ph.D.

Hennessey, Thomas, Assistant Professor, Restorative Dentistry. Belmont-Abbey, B.S.; Georgetown University, D.D.S.

Hibbard, Wanda M., Instructor, Radiologic Technology. Union College, B.S.; Rex Hospital, M.T.; University of Kentucky Medical Center, N.M.T.

***Hickey, Judson C.,** Dean, School of Dentistry & Professor of Prosthodontics. Ohio State University, D.D.S., M.S.

Hicks, June K., Clinical Instructor, Physical Therapy. Emory University, M.M.S.

Hill, James M., Assistant Professor, Cell and Molecular Biology. Spring Hill College, B.S.; University of Mississippi Medical School, M.S.; Baylor College of Medicine, Ph.D.

Hill, Ross H., Associate Professor, Prosthodontics. Creighton, D.D.S.

Hilty, Milo D., Assistant Professor, Cell and Molecular Biology and Pediatrics. Ohio State University, B.S., M.S., M.D.

Hines, Frank, Assistant Professor, Orthodontics. Emory University, D.D.S.

Hobbs, Milford L., Professor, Pathology. Washington University, M.D.

***Hofman, Wendell F.,** Assistant Professor, Physiology. Western Michigan University, B.S., M.S.; State University, Ph.D.

Hoblick, Catherine B., Instructor, Adult Nursing. Old Dominion University, B.S.

Hoffman, Nancy R., Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

Hogue, W. Larry, Assistant Professor, Radiology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Horner, Jack A., Instructor, Anatomy, School of Medicine, University of Florida, BchE.

Hornsby, J. Larry, Assistant Professor, Restorative Dentistry, DAU-TEAM, LaGrange College, B.A.; University of Georgia, M.A., Ed.D.

***Howard, Eugene F.,** Assistant Professor, Cell and Molecular Biology. University of Wisconsin, B.S., M.S., Ph.D.

***Howard, John C.,** Associate Professor, Cell and Molecular Biology, Medicine. Hobart College, B.S.; Cornell University, Ph.D.

Howard, Matthew, Clinical Instructor, Pediatrics. Vanderbilt University, B.A., Medical College of Georgia, M.D.

Hudson, Cecil C., Assistant Clinical Professor, Psychiatry. Mercer University, B.A.; Medical College of Georgia, M.D.

Hudson, James B., Professor, Medicine; Chief of Nephrology. Dartmouth College, A.B.; Boston University, M.D.

Huff, Gloria, Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

Huff, Thomas A., Assistant Professor, Medicine. Emory University, M.D.

Hughes, John L., Associate Professor, Psychiatry. Medical College of Georgia, M.D.

***Huisman, Titus H. J.,** Regents Professor, Cell and Molecular Biology and Medicine. University of Groningen, B.S., Ph.D.; University of Utrecht, D.Sc.

Hull, David, Assistant Professor, Ophthalmology. University of Illinois, B.A., M.D.

Humphries, Arthur L., Jr., Professor, Surgery. The Citadel, B.S.; Johns Hopkins University, M.D.

Hung, Chung, Assistant Professor, Oral Biology and Microbiology. New Asia, B.S.; Auburn, M.S.; Medical College of Georgia, Ph.D.

Ihnen, Menard, Clinical Professor, Pathology. University of Illinois, M.D.

***Israel, J. Vance,** Assistant Professor, Cell and Molecular Biology. University of Michigan, M.S., Ph.D.

Jackson, Gordon W., Assistant Clinical Professor, Obstetrics-Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Jackson, James G., III, Clinical Instructor, Surgery (Orthopedics). University of Georgia, B.S.; Medical College of Georgia, M.D.

***Jackson, William J.,** Assistant Professor, Physiology. University of Texas, B.A.; Texas Technological College, Ph.D.

Jarrett, William, Associate Professor, Ophthalmology. Yale University, B.A.; Johns Hopkins, M.D.

Jelenko, Carl, III, Professor, Surgery. Loyola College, B.S.; University of Maryland School of Medicine, M.D.

Jennings, Gene, Clinical Instructor, Radiologic Technology. University Hospital, R.T.

Jennings, William D., Jr., Professor, Surgery. University of Georgia; Augusta College; Medical College of Georgia, M.D.

Jensen, James, Instructor, Prosthodontics. University of Pittsburgh, D.M.D.

*__Jerram, David C.,__ Assistant Professor, Pharmacology. Indiana University, A.B.; University of Arkansas, M.S., Ph.D.

John, Fares, Associate Professor, Pathology. Colegia de Bachillerato, Cartagena, B.S.; Universidad de Cartegena, M.D.

Johnson, Beverly, Instructor, Dental Education (Division of Educational Research and Development). Washburn University of Topeka, B.A.; Florida State University, M.S.

Johnson, Christine A., Assistant Professor, Pediatrics. Wheaton College, A.B.; Tufts University School of Medicine, M.D.

Johnson, Dorothy M., Assistant Professor and Chairman, Maternal-Child Nursing. Texas Woman's University, B.S.N., M.S.

Johnson, Jennifer C., Assistant Professor, Medicine. Lambuth College, B.S.; University of Tennessee College of Medicine, M.D.

Johnson, Jimpsey, Jr., Assistant Professor, Radiology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Johnson, Julius T., Assistant Clinical Professor, Psychiatry. Mercer University, A.B.; Medical College of Georgia, M.D.

Johnson, Mary H., Clinical Instructor, Pharmacology (Pharmacy). University of South Carolina, B.S.

Johnson, V. L., Assistant Professor and Coordinator of Patient Care, Prosthodontics. University of Missouri, D.D.S.

Johnson, W. T., Associate Clinical Professor, Community Dentistry. University of Washington, D.D.S.; Arkansas, B.S.; University of North Carolina, M.P.H.

Johnston, Joseph F., Assistant Clinical Professor, Anesthesiology. Medical College of Georgia, M.D.

Jones, G. Frank, Jr., Associate Clinical Professor, Surgery. Union University, B.S.; Ohio University, M.S.; University of Tennessee, M.D.

Jones, Kenneth D., Associate Professor, Psychiatry. Mercer University, B.A.; Medical College of Georgia, M.D.

Joyner, Charles D., Jr., Assistant Clinical Professor, Prosthodontics. University of South Carolina, B.S.; Emory University, School of Dentistry, D.D.S.

Jungck, Edwin C., Assistant Professor, Endocrinology. Washington State College, B.S.; University of Oregon, M.S., Ph.D., M.D.

Kamel, Karim, Associate Professor, Pathology. Air Shams Medical School, M.D., D.M.Sc.; Edinburgh University, Ph.D.

Kangelos, Marilyn, Assistant Professor, Medical Technology. Mount St. Scholastica College, B.S.; Medical College of Georgia, M.S.

*__Karow, Armand M., Jr.,__ Associate Professor, Pharmacology. Assistant Research Professor, Surgery. Duke University, B.A.; University of Mississippi Medical Center, Ph.D.

*__Karp, Warren B.,__ Assistant Professor, Cell and Molecular Biology. Assistant Research Professor, Pediatrics. Pace College, B.S.; Ohio State University, Ph.D.

Kay, James B., Jr., Clinical Instructor, Surgery (Urology). Emory University, A.B.; Medical College of Georgia, M.D.

Kelleher, Robert M., Clinical Instructor, Department of Dermatology. Belmont Abbey College, B.A.; Medical College of Georgia, M.D.

Kelly, Gordon M., Associate Clinical Professor, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

Kelsey, Dorothy R., Clinical Instructor, Medical Technology. Lees-McRae College, A.A.

Kenimer, Elizabeth, Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

Killam, Horace A. W., Assistant Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Kilpatrick, Zachary M., Associate Professor, Medicine. Davidson College, B.S.; Medical College of Georgia, M.D.

King, Coleman T., Professor, Medicine. Chief, Pulmonary Diseases. Emory University, A.B., M.D.

King, Geoffrey E., Associate Professor, Medicine. Chief, Biomedical Engineering (Systems and Computer Services), Physiology. Charing Cross Medical School of the University of London, M.B.B.S.

King, J. Valerie, Assistant Professor, Distributive Nursing. University of Georgia, M.Ed.

Kinzer, Robert L., Associate Professor and Chairman, Restorative Dentistry. Pacific Union College, B.S.; Loma Linda University, School of Dentistry, D.D.S.

Klemann, Gilbert L., Assistant Clinical Professor, Medicine. Williams College; Cornell University, M.D.

Kline, Ivan C., Clinical Instructor, Physical Therapy. Pennsylvania State University, B.S.

*__Kling, J. Malcolm,__ Associate Professor, Pharmacology. Director, Vivarium. University of Georgia, D.V.M.; University of Florida, Ph.D.; Auburn University, M.S.

Klinger, Ira, Instructor, Pedodontics. Medical College of Georgia, D.M.D.

*__Kolas, Steve,__ Professor and Chairman, Oral Biology. Ohio State University, D.D.S., M.Sc.

Kolbeck, Ralph C., Research Instructor, Medicine. University of Minnesota, B.A., Ph.D.

Krishan, Iqbal, Assistant Clinical Professor, Medicine. B.M. College, Simla, F.Sc.; Medical College, Amritsar, M.B.B.S.; University of Punjab, M.D.

Kuglar, Everett C., Associate Clinical Professor, Psychiatry. University of Georgia, B.S.; Medical College of Georgia, M.D.

Kuske, Terrence T., Associate Professor, Medicine. St. Louis University, M.D.

Lackman, Raymond A., Jr., Assistant Dean, Administration, School of Dentistry. University of Georgia, B.B.A.

Labrecque, Allen D., Research Associate, Medicine. University of Utah, Ph.D., M.A., B.A.

Lanclos, Kenneth D., Assistant Professor, Cell and Molecular Biology. Lamar State University, B.S.; University of Houston, M.S.; Baylor College of Medicine, Ph.D.

Langner, Norma H., Assistant Professor and Coordinator of Clinical Resources, Adult Nursing. Medical College of Georgia, M.S.N.

Lanier, Thomas W., Instructor, Medical Illustration. Chief, Medical Photography Services. Atlanta Art Institute; Augusta College.

Lake, Francis, Assistant Professor, Anatomy. McNeese State University, B.S.; Loyola University (New Orleans), D.D.S.; Colorado State, Ph.D.

*__Lapp, David F.,__ Assistant Professor, Cell and Molecular Biology. University of Pennsylvania, A.B.; Rice University, Ph.D.

Larison, P. Joyce, Instructor, Medical Technology. Alabama College, B.S.

Larson, Paul, Instructor, Pediatrics. Frank & Marshall, B.S.; William and Mary, M.S.W.

Lee, F. Lansing, Clinical Professor Emeritus, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Lee, Joseph D., Assistant Clinical Professor, Surgery. Medical College of Georgia, M.D.

Lee, Moo Hee, Assistant Professor, Pediatrics. Yonsei University College of Medicine, M.D.

Leftwich, Robert, Assistant Professor and Chairman, Adult Nursing. Northern Illinois University, M.S.

*__Leibach, Fredrick H.,__ Associate Professor, Cell and Molecular Biology. Assistant Professor, Endocrinology. Southwest Missouri State College, B.S.; Emory University, Ph.D.

Leonard, Leon A., Professor and Chairman, Endodontics. University of Southern California, B.S., D.D.S; Loma Linda University, M.S.

Levy, Maurice, Associate Professor, Health Affairs Education, Division of Educational Research and Development. University of Illinois, B.S., Ed. M.; University of Georgia, Ed. D.

Lewis, Jasper P., Associate Professor, Medicine. University of Virginia, B.S.; University of Louisville, M.S.; Medical College of Georgia, Ph.D.

Lewis, Peggy C., Clinical Instructor, Medical Technology, University of Georgia, B.S.

Lieb, R. J., Assistant Professor, Oral Biology. Parsons College, B.S.; Medical College of Georgia, M.S., Ph.D.

* **Liebelt, Annabel G.,** Associate Professor, Cell and Molecular Biology. Loyola University, B.S.; Washington State, M.S.; Baylor University, Ph.D.

* **Liebelt, Robert A.,** Provost. Professor, Cell and Molecular Biology. Professor, Medicine (Experimental). Baylor University, Ph.D.; Baylor School of Medicine, M.D.

Lillis, Patty P., Instructor, Adult Nursing. Northwestern State University, B.S.; University of California, M.S.N.

Linder, Charles W., Assistant Professor, Pediatrics. Furman University, B.S.; Medical College of Georgia, M.D.

Lin, T. J., Professor, Obstetrics and Gynecology. Tokyo Pharmaceutical College, B.S.; National Taiwan University, M.D.

Linley, Ruth S., Clinical Instructor, Physical Therapy. Winthrop College, B.S.

* **Little, Robert C.,** Chairman and Professor, Physiology. Dennison University, A.B.; Western Reserve University, M.D., M.S.

Litwin, Bini A., Clinical Instructor, Physical Therapy. State University of New York, B.S.

Liu, Yong Ki, Assistant Professor, Medicine. School of Medicine National Taiwan University, M.D.; Premed College National Taiwan University, B.S.

Livingston, Frances, Research Associate, Medicine. University of South Carolina, B.S., M.S.

Loft, Gerald H., Assistant Professor, Occlusion. Emory University, School of Dentistry, D.D.S.

Logan, Mary Ella, Assistant Professor, Pharmacology and Medicine. Oklahoma City University, B.S.; University of Oklahoma Medical School, M.D.

Longe, Robert L., Clinical Instructor, Pharmacology (Pharmacy). University of Georgia, B.S.; University of Tennessee, Ph.D.

Longley, George H., Professor, Psychiatry. University of Maryland, M.D.

Lorren, R. A., Assistant Professor, Restorative Dentistry. Loma Linda, D.D.S.

Lott, Thomas M., Assistant Professor, Radiology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Lotterhos, William E., Chairman and Professor, Department of Family Practice. University of Mississippi, B.S.; University of Tennessee College of Medicine, M.D.

Lucas, William T., Assistant Professor, Surgery (Urology). Harvard University, B.S.; University of Rochester, M.D.

Lundquist, Donald O., Associate Professor, Prosthodontics. Coordinator of Occlusion. State University of Iowa, B.S.; State University of Iowa, College of Dentistry, D.D.S.

Lutcher, Charles, Associate Professor, Medicine. Whitman College, B.S.; Washington University, M.D.

Luxenberg, Malcolm N., Chairman and Professor, Ophthalmology. University of Miami School of Medicine, M.D.

Lyon, John, Instructor, Medicine, Biomedical Engineering (Systems and Computer Services). University of South Carolina, B.S.; Medical College of Georgia, M.S.

Maddox, David, Clinical Instructor, Restorative Dentistry. University of Missouri, D.D.S.

Maddox, S. Fleetwood, Assistant Professor, Ophthalmology. Mercer University, A.B.; Medical College of Georgia, M.D.

Magruder, Richard L., Jr., Clinical Instructor, Medicine. Emory University, B.S.; Medical College of Georgia, M.D.

Maguire, Molly, Clinical Instructor, Physical Therapy. Medical College of Georgia, B.S.

*__Mahesh, Virendra B.,__ Regents Professor and Chairman, Endocrinology. Patna University, India, B.S.; Delhi University, India, M.S., Ph.D.; Oxford University, D.Phil.

Maiden, Jacqueline, Clinical Instructor, Physical Therapy. Lincoln Memorial University, B.S.

Mainz, David L., Instructor, Medicine. St. Mary's University, B.A.; St. Louis University, M.D.

Maish, James A., Assistant Professor, Psychiatry. Florida State University, Ph.D.

Maloney, George R., Assistant Clinical Professor, Surgery (Urology). University of Georgia, B.S.; Medical College of Georgia, M.D.

Manganiello, Louis O. J., Associate Clinical Professor, Surgery (Neurosurgery). Harvard University, A.B.; University of Maryland, M.D.

Mansberger, Arlie R., Professor & Chairman, Department of Surgery. Western Maryland College, A.B.; University of Maryland School of Medicine, M.D., A.S.T.P.

Maples, Deborah M., Clinical Instructor, Medical Technology. University of Georgia, B.S.

Marble, Howard B., Jr., Associate Professor, Oral Surgery and Surgery. Chief, Dental Services (VA Hospital). Tufts College, Dental School, D.M.D.

Markham, John C., III, Clinical Instructor, Medicine. Duke University, B.A.; University of North Carolina School of Medicine, M.D.

Marlowe, Clyde, Assistant Professor, Oral Surgery. University of Maryland, D.D.S.; University of Minnesota, M.Sc.

Marschalk, Frederick F., Assistant Clinical Instructor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Marsh, Earle M., Professor, Obstetrics and Gynecology. San Mateo Junior College, A.A.; University of California, B.A.; University of California School of Medicine, M.D.

Marshall, George J., Research Associate, Psychiatry. Junior College of Georgia, A.A.; University of Florida, B.A.

Marshall, Louie W., Associate Professor, Psychiatry. Wesleyan College, A.B.; Medical College of Georgia, M.D.

Martin, John M., Assistant Clinical Professor, Medicine. Mercer University, A.B.; Medical College of Georgia, M.D.

Martin, Mary Jo, Research Associate, Neurology. Mayo Clinic, R.EEG.T.

Martin, Richard M., Assistant Professor, Office of Humanities. Birmingham Southern College, B.A.; Duke University, M.Div., Ph.D.

Mascaro, David, Assistant Professor, Medical Illustration, Medical College of Georgia, B.S.; Medical College of Georgia, M.S.

Matheny, James L., Assistant Professor, Pharmacology. Delta State College, B.S.; University of Mississippi Medical Center, Ph.D.

* **Mathews, J. B.,** Associate Professor of Health Systems Engineering; Director of Systems and Computer Services. Georgia Institute of Technology, B.I.E., M.S.I.E., Ph.D.

* **May, Bella J.,** Associate Professor and Chairman, Physical Therapy. Pacific Lutheran University, B.S.; Stanford University, Certificate in Physical Therapy, M.A.; University of Miami, Ed.D.

May, Helen R., Clinical Instructor, Medical Technology. University of Georgia, B.S.

Mayfield, George R., Associate Clinical Professor, Medicine. Emory University, B.S., M.D.

Maynard, Frederick M., Assistant Clinical Professor, Neurology. University of Michigan, A.B.; M.D.

McCaslan, Carolyn W., Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

McCaslin, Austin J., Assistant Clinical Professor, Periodontics. Emory, M.S.; University of North Carolina, D.D.S.

McClain, Sharon R., Clinical Instructor, Medical Technology. Erskine College, B.A.

McCord, Susan, Instructor, Radiologic Technology. Morton F. Plant Hospital, R.T.; Medical College of Georgia, B.S.

McCranie, E. J., Associate Professor, Psychiatry. Emory University, A.B., M.S.; University of Michigan, Ph.D.; Medical College of Georgia, M.D.

McCranie, Edward W., Instructor, Psychiatry. Emory University, Ph.D.

McCranie, Martha S., Associate Professor, Psychiatry. University of Georgia, B.S.; Medical College of Georgia, M.D.

McDonald, James K., Associate Professor, Psychiatry. University of Georgia, B.S.; Medical College of Georgia, M.D.

* **McDonald, Thomas F.,** Associate Professor, Anatomy. Chairman (Acting), Anatomy. Spring Hill College, B.S.; Loyola University, M.S., Ph.D.

McDonough, Paul G., Associate Professor, Chief, Gynecology, Endocrinology & Genetics. Holy Cross College, B.S.; Jefferson Medical College, M.D.

McFadyen, Neil M., Clinical Professor, Psychiatry and Neurology. University of Glasgow, M.B.

McFarland, Dee E., Assistant Clinical Professor, Pathology. Marietta College, B.S.; Bowman Gray School of Medicine, M.D.

McFarland, Kay, Assistant Professor, Medicine. Wake Forest College, B.S.; Bowman Gray School of Medicine, M.D.

McGahee, Robert C., Clinical Professor Emeritus, Pediatrics. University of Georgia, B.S.; Medical College of Georgia, M.D.

McGarity, Seaborn S., Jr., Assistant Professor, Psychiatry. Asbury College, A.B.; Medical College of Georgia, M.D.

McInnes, George F., Assistant Clinical Professor, Surgery. Presbyterian College, B.S.; Medical College of South Carolina, M.D.

*__McKenney, Joel R.,__ Assistant Professor, Physiology. University of Kansas, B.S., M.S.; University of Washington, Ph.D.

*__McKenzie, John W.,__ Associate Professor, Anatomy. The Citadel, B.S.; University of South Carolina, M.S.; University of North Carolina, Ph.D.

McKinney, Ralph V., Jr., Associate Professor, Oral Pathology, Oral Biology. Bowling Green University, B.S.; Ohio State University, D.D.S.; University of Rochester, Ph.D.

McKnight, Robert R., Associate Clinical Professor, Surgery (Orthopedics). University of Georgia, B.S.; Medical College of Georgia, M.D.

McNab, James F., Associate Administrator, Hospitals and Clinics. Harvard University, M.B.A.; University of North Carolina, M.S.

McNamara, Virginia P., Assistant Professor, Obstetrics-Gynecology. Agnes Scott, B.A.; Harvard University, M.P.H.; Washington University, M.D.

*__McPherson, James C., Jr.,__ Associate Professor, Surgery (Thoracic) and Cell and Molecular Biology. North Texas State College, B.S.; University of Texas, M.A.; University of Texas Southwestern Medical School, M.D.

McRae, Donald R., Jr., Assistant Clinical Professor, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

Mealing, Henry G., Associate Professor Emeritus, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Mealing, Henry G., Jr., Associate Professor Emeritus, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Meeks, William H., Assistant Clinical Professor, Surgery (Neurosurgery). University of Georgia, B.S.; Medical College of Georgia, M.D.

Mellinger, Elfriede M., Assistant Clinical Professor, Psychiatry. Hoelderlin Gymnasium, B.S.; University of Heidelberg, M.D.

Mellinger, Theodore J., Assistant Professor, Pharmacology. Staff Psychiatrist, VA Hospital. Heidelburg Gymnasium, B.S.; University of Heidelburg, M.D.

Merchant, Hubert W., Associate Professor, Oral Medicine. University of Buffalo, School of Dentistry, D.D.S.; Emory University, School of Dentistry, M.S.D.

Merchant, Virginia A., Research Associate, Pediatrics. Winthrop College, B.A.; University of Georgia, M.S.

Mercille, Rita A., Associate Professor, School of Nursing and School of Medicine, Distributive Nursing, and Occupational Therapy. Indiana University, A.B., M.S.; Fordham University, Ph.D.

Metts, James, Assistant Clinical Professor, Orthodontics. Emory University, D.D.S.

Miller, Carey B., Instructor, Biomedical Engineering (Systems and Computer Services). Clemson University, B.S.E.E.

Miller, David A., Assistant Professor, Physiology. Ohio Northern University, B.S.E.E.; Ohio University, M.S.E.E.; Ohio State University, Ph.D.

Miller, Max D., Assistant Professor, Pediatrics. Lamar State College of Technology, B.S.; University of Houston, M.Ed., Ed.D.

Mills, Luther R., IV, Assistant Professor, Pathology. Mercer University, A.B.; Medical College of Georgia, M.D.

* **Mills, Thomas M.,** Assistant Professor, Endocrinology. University of Iowa, B.S., M.S., Ph.D.

Mingledorff, Roberta, Clinical Instructor, Medical Technology. University of Georgia, B.S.

Minter, William T., III, Assistant Professor, Anesthesiology. Mercer University, A.B.; Medical College of Georgia, M.D.

Mitchell, Charles H., Professor Emeritus, Anesthesiology. Emory University, B.S., M.D.

Mitchell, John C., Clinical Instructor, Obstetrics-Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Mitchener, James W., Assistant Clinical Professor, Pathology. McGill University, M.D.

Montgomery, B. M., Clinical Professor, Medicine. The Citadel, B.S.; Medical College of South Carolina, M.D.

Moore, Holland V., Assistant Professor, Thoracic/Cardiac Surgery. Wake Forest University, B.S.; Bowman Gray School of Medicine, M.D.

Moore, Pamela, Assistant Professor, Anatomy. Wake Forest University, B.S.; Bowman Gray School of Medicine, Ph.D.

* **Moore, Susan B.,** Associate Professor, Nursing and School of Graduate Studies. Columbia University, B.S., M.A.; New York University, M.A.

Moore, Victor A., Jr., Professor, Medicine. Presbyterian College; University of Virginia; Medical College of Georgia, M.D.

Moores, Russell R., Professor, Medicine. Associate Dean for Special Programs, School of Medicine. University of Arkansas, B.S., M.D.

Moorhead, Frank A., Assistant Clinical Professor, Family Practice. University of Tampa, B.S.; University of Miami, M.D.

*__Moretz, William H.,__ President. Professor, Surgery. Lenoir Rhyne College, B.S.; Harvard Medical School, M.D.

__Morgan, M. Elizabeth,__ Professor, Medicine. Wesleyan College, A.B.; Medical College of Georgia, M.D.

__Morris, Charles,__ Associate Professor, Restorative Dentistry. Tennessee, D.D.S.

*__Morse, P. Kenneth,__ Professor, Dental Education (Educational Research and Development); Taylor University, A.B.; McCormick Theological Seminary, B.D.; University of Michigan, M.A., Ph.D.

__Moss, Benjamin F., Jr.,__ Clinical Instructor, Psychiatry. Medical College of Georgia, M.D.

__Moulin, Nancy,__ Assistant Professor, Physical Therapy, Occupational Therapy. University of Iowa, B.A.; Ohio State University, M.S.

*__Moxley, Patricia A.,__ Associate Professor, School of Nursing and School of Graduate Studies. Emory University, M.N.; Columbia University, Ed.D.

*__Muldoon, Thomas G.,__ Assistant Professor, Endocrinology. Queens College, B.S.; University of Louisville, Ph.D.

__Mulherin, C. Stephen,__ Clinical Instructor, Surgery. Medical College of Georgia, M.D.

__Mulherin, Joseph L.,__ Assistant Clinical Professor, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

__Mullins, William B.,__ Assistant Clinical Professor, Pathology. Medical College of Georgia, M.D.

__Munn, Daniel M.,__ Assistant Professor, Health Affairs Education, Division of Educational Research and Development. Assistant Professor, Medicine. Nashotah House Theological Seminary, B.D.; University of Georgia, M.Ed.

__Murphy, Margaret K.,__ Assistant Professor, Adult Nursing. Emory University, M.N.

__Murphy, William R.,__ Associate Clinical Professor, Pathology. University of Chicago, Ph.D.; University of Arkansas, B.S., M.D.

__Mushet, George R.,__ Associate Clinical Professor, Neurology. Emory University, M.D.

__Myers, David R.,__ Associate Professor and Chairman, Pedodontics. West Virginia University, D.D.S.; University of Nebraska, M.S.

__Myers, Dorothy G.,__ Clinical Instructor, Medical Technology. Converse College, B.S.

__Myers, Erma C.,__ Instructor, Physical Therapy. George Washington University, B.S.; Virginia Commonwealth University, B.S.

*__Nair, Cherukantath N.,__ Assistant Professor, Cell and Molecular Biology. Government Victoria College, B.S.; University of Colorado, Ph.D.

__Nardone, David A.,__ Instructor and Chief Resident, Medicine. University of Notre Dame, B.A.; Georgetown University, M.D.

__Nayyar, Arun,__ Instructor, Restorative Dentistry. University of Calcutta, B.D.S.; University of Iowa, M.S.

Neal, Jule C., Jr., Assistant Clinical Professor, Obstetrics-Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Nelson, George H., Associate Professor, Cell and Molecular Biology, and Chief, Fetal Medicine. College of Charleston, B.A.; Medical University of South Carolina, M.S., Ph.D.; West Virginia University, School of Medicine, M.D.

Nelson, Grier M., Assistant Professor, Occupational Therapy. Hollins College, B.A., University of Pennsylvania, Certificate in Occupational Therapy; University of Florida, M.Ed.

Nelson, Martha, Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

Newton, Nancy, Clinical Instructor, Physical Therapy. University of Florida. B.S.

Nichols, Pomeroy, Jr., Associate Clinical Professor, Surgery (Neurosurgery). University of Maryland, M.D.

Nixon, Daniel W., Assistant Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Nolan, Fanny, Assistant Professor, Psychiatry. Transylvania University, B.A.; University of Louisville, M.S.W.

O'Connor, James L., Research Associate, Medicine. University of Georgia, B.S., M.S., Ph.D.

O'Dell, Norris, Assistant Professor, Anatomy. Emory University, B.A.; Medical College of Georgia, M.S., Ph.D.

Oldham, Harriette C., Instructor, Dental Hygiene. Medical College of Georgia, R.D.H., B.S.

Oldham, Harry M., Clinical Instructor, Obstetrics-Gynecology. Medical College of Georgia, M.D.

O'Quinn, James L., Assistant Clinical Professor, Pathology. Mercer University, A.B.; Medical College of Georgia, M.D.

Otken, Luther B., Jr., Associate Professor, Pathology. Baylor University, B.A., M.A.; University of Tennessee, M.D.

Outhwaite, William C., Assistant Professor, Oral Medicine. University of South Africa, B.A.; Loma Linda University, School of Dentistry, D.D.S.

Owen, Ralph G., Instructor, Obstetrics and Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Padgett, Olin, Jr., Instructor, Systems and Computer Services. Auburn University, B.S.E.E.

Page, Malcolm I., Professor, Medicine. Wayne University, A.B.; University of Chicago, M.D.

Palmer, John R., Chairman and Associate Professor, Physician's Assistants Department; Associate Professor, Family Practice. Medical College of Georgia, M.D.

Parker, Richard, Assistant Professor, Dentistry. Loma Linda University, B.S., D.D.S.

Parkerson, George R., Jr., Assistant Professor, Family Practice. Duke University School of Medicine, B.S.M., M.D.

***Parkes, Orville A.,** Professor and Chairman, Medical Illustration. Augusta College, B.S.; Rochester Institute of Technology, Diploma in Applied Art; Johns Hopkins University, Diploma in Medical Art.

Parmley, Loren F., Clinical Professor, Medicine. University of Virginia, B.A., M.D.

Parrish, Robert A., Jr., Professor, Surgery. Chief, Pediatric Surgery. Mercer University, A.B.; University of Georgia, M.S.; Medical College of Georgia, M.D.

Parrish, R. Edward, Assistant Clinical Professor, Periodontics. Emory University, School of Dentistry, D.D.S., M.S.D.

***Pashley, David H.,** Assistant Professor, Oral Biology & Physiology. University of Oregon, Dental School, D.M.D.; University of Rochester, School of Medicine and Dentistry, Ph.D.

Patter, Jimmy, Assistant Professor, Physiology. Iowa State University of Science and Technology, M.S.; Baylor College of Medicine, Ph.D.

Paul, Christine B., Clinical Instructor, Medical Technology. Shorter College, A.B.

Payne, Janet W., Clinical Instructor, Physical Therapy. Russell Sage College, B.S.

Payne, Nancy M., Instructor, Dental Hygiene. Medical College of Georgia, R.D.H., B.S.

Payne, Rufus, Professor Emeritus of Community Medicine. Medical College of Georgia, M.D.; Johns Hopkins University, M.S.

Pennel, Billy M., Professor and Chairman, Periodontics. University of Tennessee, College of Dentistry, D.D.S.; Ohio State University, M.S.

Pera, Barbara S., Assistant Professor, Mental Health and Psychiatric Nursing. Hunter College, B.S., M.S.

Perkins, Henry R., Associate Clinical Professor, Surgery (Otorhinolaryngology). Medical College of Georgia, M.D.

Perrine, T. Richard, Instructor, Restorative Dentistry. West Virginia University, D.D.S.

Persall, John T., Jr., Associate Clinical Professor, Obstetrics-Gynecology. University of Georgia, B.S.; Emory University, M.D.

Peskin, Herman, Associate Clinical Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Pestritto, Salvatore T., Instructor, Endodontics. West Virginia Dental School, D.D.S.

Peterson, Larry J., Assistant Professor, Oral Surgery. University of Kansas, B.S., University of Missouri at Kansas City, Dental School, D.D.S.; Georgetown University, M.S.

Peyton, Alton B., Associate Clinical Professor, Surgery. University of Texas, M.D.

Phinizy, John, Associate Clinical Professor, Medicine. University of the South, B.S.; Medical College of Georgia, M.D.

Pingleton, William W., Assistant Clinical Professor, Medicine. University of Oklahoma, M.D.

Pinsker, M. Craig, Assistant Clinical Professor, Medical Technology. Carnegie Institute of Technology, B.S.; University of Georgia, M.S.; University of Georgia, Ph.D.

Pinson, Harry D., Assistant Clinical Professor, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

Poda, George A., Assistant Clinical Professor, Community Medicine. Mount Union College; University of Buffalo, M.D.

Pogue, Richard E., Associate Professor, Family Practice (Biometry); Associate Director of Systems and Computer Services. University of Minnesota, B.A., M.S., Ph.D.

Pollard, Billy M., Associate Professor and Chairman, Department of Dental Hygiene; Associate Professor, Periodontics. University of Tennessee, D.D.S.

Pool, Winford H., Jr., Professor, Radiology. Chief, Diagnostic Radiology. Mercer University, B.S.; Medical College of Georgia, M.D.

Porubsky, Edward S., Assistant Clinical Professor, Surgery (ENT). John Carroll University, B.S.; Ohio State University, M.D.

Poston, John D., Assistant Professor, Psychiatry (Social Case Work). Wake Forest College, B.A.; Tulane University, M.S.W.

Powell, Barbara A., Clinical Instructor, Obstetrics-Gynecology. Medical College of Georgia, M.D.

Powell, James N., Assistant Professor, Periodontics. University of Tennessee, College of Dentistry, D.D.S.; University of Nebraska, M.S.

Prendergast, Nancy D., Associate Professor and Chairman, Occupational Therapy. Ohio State University, B.Sc.; Temple University, M.Ed.

Prichard, Philip M., Assistant Professor, Cell and Molecular Biology. University of Georgia, B.S., M.S., Ph.D.

Proctor, Anne S., Clinical Instructor, Medical Technology. St. Agnes College, B.S.

Pryor, Carol G., Clinical Instructor, Obstetrics-Gynecology. Georgia State College for Women, B.S.; Medical College of Georgia, M.D.

Puchtler, Holde, Professor, Pathology. Realgynmasium, Nurnberg, Abitur, University of Koln, M.D.

Pursley, Norman B., Assistant Clinical Professor, Pediatrics. Medical College of Georgia, M.D.

Quantz, G. Newton, Jr., Assistant Professor, Surgery (Otolaryngology). Davidson College, B.S.; Tulane Medical School, M.D.

Quarles, James D., Assistant Clinical Professor, Orthodontics. Emory University, School of Dentistry, D.D.S.; University of Montreal, M.S.

Quillian, Willard E., III, Associate Professor, Psychiatry. Emory University, B.S.; Medical College of Georgia, M.D.

Rahn, Arthur O., Professor and Chairman, Prosthodontics. Marquette University, School of Dentistry, D.D.S.

Ramage, Nelle, Instructor, Adult Nursing and Family Practice (Medicine). Medical College of Georgia, M.S.N.

Rao, Nagaraj R., Assistant Professor, Pathology. Stanley Medical College, M.B.B.S.; Andhra Medical College, M.D.

Rao, P. S., Assistant Professor, Pediatrics & Physiology. Andhra University, I.A.Sc.; Andhra Medical College, M.B.B.S.

Real, William, Assistant Professor, Pedodontics. St. Louis University, D.D.S.

*__Reichard, Sherwood M.,__ Professor, Radiology. Professor, Physiology. Lafayette College, B.A.; New York University, M.S., Ph.D.

Reynolds, John D., III, Assistant Clinical Professor, Surgery. The Citadel, B.S.; Medical College of Georgia, M.D.

Rhode, C. Martin, Associate Professor, Surgery. Johns Hopkins University, A.B.; University of Maryland, M.D.

Rice, Bruce H., Professor and Chairman, Oral Medicine. University of Southern California, D.D.S.; Ohio State University, M.S.; University of Arizona, Ph.D.

Riley, Merle W., Associate Professor, Pharmacology. Duquesne University, B.S.; University of Cincinnati, Ph.D.

Rinker, Geraldine, Assistant Professor, Medical Technology. University of Kentucky, B.S.; Medical College of Georgia, M.S.

Rinker, Robert J., Professor Emeritus of Surgery (Urology). University of Kansas, B.S., M.D.

Ritch, John M., Assistant Professor, Physical Therapy. St. Gregory's College, A.A.; State University of New York at Buffalo, B.S.; Herbert H. Lehman College, City University of New York, M.HEd.

Robertson, Alexander F., III, Professor and Chairman, Pediatrics. University of Virginia, B.A., M.D.; University of Michigan, M.A.

Rodriguez, Francisco R., Clinical Instructor, Surgery (Urology). University of Puerto Rico, B.S.; University of Puerto Rico Medical School, M.D.

*__Roesel, Catherine E.,__ Associate Professor, Cell and Molecular Biology. Vanderbilt University, B.A.; Washington University, Ph.D.

Roesel, Raymond A., Research Associate, Cell and Molecular Biology. Emory University, B.A.; Medical College of Georgia, M.S.

Roesel, Rosalyn R., Instructor, Distributive Nursing. Medical College of Georgia, B.S.N., M.S.N.

Rogers, Mike, Assistant Professor, Orthodontics. Emory University, D.D.S.

Rosenquist, Judith, Assistant Professor, Anatomy. Southwestern at Memphis, B.S.; Tulane University, Ph.D.

*__Rosenquist, Thomas H.,__ Assistant Professor, Anatomy. University of Dubuque, B.S.; New Mexico Highlands State University, M.S.; Louisiana State University Medical Center, Ph.D.

Rubin, Joseph W., Assistant Professor, Thoracic/Cardiac Surgery. McGill University, B.S., M.D.C.M.

Rucker, Julius T., Jr., Clinical Instructor, Anesthesiology. Augusta College; Emory University, M.D.

Rufo, Raymond T., Assistant Professor, Restorative Dentistry. University of Georgia, B.S.; Emory University, School of Dentistry, D.D.S.

Rusinko, Andrew, Associate Clinical Professor, Surgery. Western Maryland College, B.S.; Georgetown University, M.D.

Russell, Joseph D., Clinical Instructor, Medicine. University of North Carolina, B.S.; M.D.

Russell, Rufus R., Research Associate, Surgery. College of the Ozarks.

Sabatelle, Peter, Professor, Surgery (Orthopedics). State University of New York, M.D.

Sanders, Beverly B., Clinical Instructor, Dermatology. Mercer University, B.S.; Medical College of Georgia, M.D.

Sanders, Conrad W., Jr., Assistant Clinical Professor, Surgery. Wofford College, A.B.; Medical College of South Carolina, M.D.

Sanders, William C., Clinical Instructor, Pediatrics. University of Georgia, B.S.; Medical College of Georgia, M.D.

Saunders, Elwyn A., Professor, Surgery (Orthopedics). The Citadel, B.S.; Medical College of South Carolina, M.S., M.D.

Scardino, Peter L., Clinical Professor, Surgery (Urology). Rice University, B.A.; University of Texas Medical Branch, M.D.

Scharff, Louis, III, Clinical Instructor, Pediatrics. University of Georgia; Medical College of Georgia, M.D.

Schoffstall, Robert O., Assistant Professor, Surgery. University of California, B.A.; Westmont College, B.A.; Hahnemann Medical College, M.D.

Schrieber, Leonard, Clinical Instructor, Periodontics. Brookdale Dental Center, New York University, D.D.S.

Schultze, Richard, Assistant Professor of Opthalmology. Princeton, A.B.; Johns Hopkins University, M.D.

Schwartz, Robert P., Clinical Instructor, Pediatrics. University of Florida College of Medicine, M.D.

*__Schuster, George,__ Assistant Professor, Oral Biology and Cell and Molecular Biology. Washington University, B.A.; Northwestern University, M.S., D.D.S.; University of Rochester, Ph.D.

Scoggin, William A., Professor and Chairman, Obstetrics-Gynecology. University of Virginia, B.A.; M.D.

Scoggins, Henry D., Assistant Clinical Professor, Obstetrics-Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

***Scott, David F.,** Assistant Professor, Cell and Molecular Biology. Northeastern University, B.A.; Indiana University, Ph.D.

Self, Emily W., Instructor, Pediatrics (Special Elementary Education). Brenau College, A.B.; Teachers College Columbia University, M.A.

Sell, Mercer B., Associate Professor, Psychiatry, Medical College of Georgia, M.D.

Shaikh, Abdul H., Clinical Instructor, Medical Technology. University of Karachi, Pakistan, B.S., M.S.

Shaikh, Najma H., Clinical Instructor, Medical Technology. University of Karachi, Pakistan, B.S., M.S.

***Sharawy, Mohamed,** Assistant Professor, Oral Biology and Anatomy. Cairo University School of Science, P.N.S., Cairo University, School of Dentistry, B.D.S.; University of Rochester, School of Medicine and Dentistry, Ph.D.

Sharma, Kailash B., Clinical Instructor, Pathology. S.M.S. Medical College, Jaipur, India, M.B.B.S., M.D.

Shepherd, Mason H., Assistant Clinical Professor, Surgery. University of Georgia, B.S.; Medical College of Georgia, M.D.

Shepherd, Walter L., Professor Emeritus, University of Arkansas, M.D.

Sher, Jack Edward, Assistant Clinical Professor, Psychiatry. Middlesex University, School of Medicine, M.D.

Sherman, Harry C., Assistant Clinical Professor, Surgery. Washington and Lee University, A.B.; Medical College of Georgia, M.D.

Sherrer, J. D., Assistant Professor, Restorative Dentistry. Auburn University, B.S., M.S.; Baylor, D.D.S.

Shirley, William C., Clinical Instructor, Obstetrics-Gynecology. Mercer University, A.B.; Medical College of Georgia, M.D.

Shiver, Charles B., Jr., Associate Clinical Professor, Medicine. Mercer University, A.B.; Medical College of Georgia, M.D.

Shoaf, Ken, Clinical Dentist, Community Dentistry. Medical College of Virginia, D.D.S.

Shulko, Patsy, Instructor, Distributive Nursing. Michigan State University, M.A.

***Singal, Sam A.,** Charbonnier Professor, Cell and Molecular Biology. University of Toledo, B.S.; University of Michigan, M.S., Ph.D.

Singh, Baldev, Associate Professor, Oral Pathology, Oral Biology. University of Bombay, Sir C.E.M. Dental College, B.D.S.; University of Rochester, M.S., Ph.D.

Singletary, Elizabeth A., Assistant Professor, Community Medicine and Medicine. University of South Carolina, B.S.; Medical College of Georgia, M.D.

Sirmans, Juanita, Assistant Professor and Chairman, Medical Record Administration. Valdosta State College, A.B.

Sisson, Boyd D., Professor, Psychiatry. College of William and Mary, B.S.; University of Nebraska, Ph.D.

Sisson, Rebecca, Assistant Professor, Adult Nursing. Catholic University, M.S.N.

Skeel, David A., Assistant Professor, Surgery (Urology). Dickinson College, B.S.; Jefferson Medical College, M.D.

Slagter, Jeanine C., Clinical Instructor, Medical Technology.

Smalley, Harold E., Regents Professor. Director, Health Systems Research Center, Georgia Institute of Technology. University of Alabama, B.S.I.E.; Purdue University, M.S.I.E.; University of Pittsburgh, Ph.D.

Smith, Allyn A., Assistant Professor, Restorative Dentistry. Hanover College, B.A.; Northwestern University, Dental School, D.D.S.

Smith, C. Conrad, Associate Clinical Professor, Dermatology. University of Georgia, B.S.; New York University, M.S.; Medical College of Georgia, M.D.

Smith, Edward H., Jr., Assistant Clinical Professor, Dermatology. Duke University, A.B., M.D.

Smith, Harold G., Assistant Professor, Physical Therapy, Occupational Therapy. St. Louis University, B.S., M.Ed.

Smith, J. Graham, Jr., Professor and Chairman, Dermatology. Professor, Medicine. Duke University, B.S., M.D.

Smith, Jerry A., Assistant Professor, Pediatrics. University of North Carolina, B.S., M.D.; University of California, M.P.H.

* **Smith, Linda L.,** Assistant Professor, Medicine. Associate Professor, Cell and Molecular Biology. University of South Carolina, B.S., M.S., Ph.D.

Smith, R. Louie, Clinical Instructor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Smith, W. T., Assistant Clinical Professor, Psychiatry. University of Georgia, B.S.; Medical College of Georgia, M.D.

Snyder, Carolyn, Assistant Professor, Dental Hygiene. Indiana University, A.S., B.S., M.S.

Sobel, Robert E., Assistant Professor, Cell and Molecular Biology. Columbia College, A.B.; George Washington University, M.S., Ph.D.

Sobrinho, Tito C. M., Instructor, Pediatrics. Universidade de Parana, M.D.

Spearin, Willard E., Assistant Professor, Occlusion. Portland State College, B.S.; University of Oregon, Dental School, D.M.D.

Speir, William A., Assistant Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Stefadouros, Miltiades, Assistant Professor, Medicine. Athens (Greece) University, M.D.

Stephens, Marvin R., Assistant Professor, Anesthesiology. University of Georgia, B.S.,; Medical College of Georgia, M.D.

Still, Joseph M., Associate Professor, Surgery. Shorter College, A.B.; Medical College of Georgia, M.D.

Stock, Jerrold M., Clinical Instructor, Medicine. Northwestern University, B.A.; University of Chicago, M.D.

Stocks, S. Allan, Clinical Instructor, Ophthalmology. Medical College of Georgia, M.D.

Stoddard, Leland D., Professor, Pathology. DePauw University, A.B.; Johns Hopkins University, M.D.

* **Stoney, S. David, Jr.,** Assistant Professor, Physiology. University of South Carolina, B.S.; Tulane University, Ph.D.

Story, Frank C., Jr., Clinical Instructor, Obstetrics-Gynecology. University of Alabama; University of Georgia; Medical College of Georgia, M.D.

Stretcher, George S., Instructor and Chief Resident, Dermatology. University of North Carolina, A.B., M.D.

Strong, William B., Associate Professor, Pediatrics. Chief, Section of Cardiology. Associate Professor, Medical Education, Division of Educational Research and Development. Holy Cross College, B.S.; Hahnemann Medical College, M.D.

Sullivan, Daniel B., Assistant Clinical Professor, Surgery. Medical College of Georgia, M.D.

Sussman, Hy C., Associate Professor, Medicine. Medical College of Georgia, M.D.

Sutherland, James H. R., Professor, Pharmacology. Director, Division of Health Communications. University of California, A.B., Ph.D.

Swain, Fredrick, Assistant Clinical Professor, Pedodontics. Indiana University, D.D.S.

Swift, Thomas R., Assistant Professor, Anatomy and Neurology. Trinity College, B.A.; Cornell University Medical College, M.D.

Sykes, John H., Clinical Instructor, Physical Therapy. Duke University, A.B.

Talledo, O. Eduardo, Professor, Obstetrics-Gynecology. Chief, Section of Gynecology and Gynecological Oncology. San Marcos University, Peru, B.S.; Faculty of Medicine, Peru, M.B., M.D.

Tanner, Robert E., Assistant Clinical Professor, Pediatrics. University of Georgia, B.S.; Medical College of Georgia, M.D.

Tanenbaum, Julian B., Assistant Clinical Professor, Pediatrics. Emory University, B.A.; Medical College of Georgia, M.D.

Taylor, Joseph, Assistant Professor, and Administrative Assistant to the Dean, Distributive Nursing, Mental Health Nursing and Occupational Therapy. Pace College, A.A.S.; Hunter College, B.S., M.S.

Teabeaut, J. Robert, II, Professor, Pathology. Duke University, M.D.

Teeslink, Rex C., Assistant Professor, Radiology. Tulane University Medical School, M.D.

Thevaos, Theodore G., Associate Professor, Neurology & Pediatrics. Medical College of Georgia, M.D.

Thigpen, Corbett H., Clinical Professor, Psychiatry. Mercer University, A.B.; Medical College of Georgia, M.D.

Thomas, Joyce C., Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

Thomas, Luther M., Jr., Assistant Professor, Community Medicine and Medicine. Medical College of Georgia, M.D.

Thomason, Cephas V., III, Instructor, Pedodontics. The Citadel, B.S.; Medical College of Virginia, School of Dentistry, D.D.S.

Thompson, Richard E., Associate Clinical Professor, Pediatrics. Vanderbilt University, A.B., Washington University School of Medicine, M.D.

Threefoot, Sam A., Professor, Medicine, Assistant Dean, Veterans Affairs (Medicine). Tulane University, B.S., M.D.

Thurmond, George W., Assistant Professor, Surgery. Vanderbilt University, B.A.; Tulane University, M.D.

Thurmond, J. William, Clinical Professor, Obstetrics-Gynecology. Medical College of Georgia, M.D.

Topazian, Richard G., Professor and Chairman, Oral Surgery. Professor, Surgery. Houghton College, B.A.; McGill University, D.D.S.

Toole, Donna R., Assistant Professor, Occupational Therapy. University of Kansas, B.S.; University of Georgia, M.Ed.

Torpin, Richard, Professor Emeritus, Obstetrics-Gynecology. Wesleyan College; Rush Medical College, M.D.

Treadwell, Catherine G., Clinical Instructor, Medical Technology. University of Georgia, B.S.

Treat, Elmer L., Clinical Instructor, Surgery. Oklahoma State University, B.A.; University of Oklahoma, M.D.

Trefz, Jill, Research Associate, Neurology. Ohio University, B.S.

*** Trooboff, Rebecca C.,** Associate Professor, Nursing and School of Graduate Studies. State University of New York, M.E.d.

Troyer, Henry, Assistant Professor, Anatomy; Research Instructor, Medicine. Goshen College, B.A.; West Virginia University, Ph.D.

Trueblood, Jon H., Assistant Professor, Radiologic Technology. Wheaton College, B.S., University of South Carolina, Ph.D.

Tucker, Elizabeth S., Clinical Instructor, Physical Therapy. Winthrop College, B.S.

Tucker, Virginia, Instructor and Admissions Councelor, School of Nursing. Tift College, B.A.

Tyler, Jean M., Assistant Research Professor, Medicine. London University, D.Sc., Ph.D.

Urbanek, Vincent E., Professor, Prosthodontics. Northwestern University, B.S., M.A.; University of Illinois, College of Dentistry, D.D.S.

Vanderzalm, Theodora, Instructor, Radiology. Medical College of Georgia, M.D.

Van Giesen, George E., Jr., Associate Clinical Professor, Medicine. Emory University, A.B.; Medical College of Georgia, M.D.

Vargo, Robert A., Instructor, School of Nursing and School of Medicine. Medical College of Georgia, Ph.D.

Victor, Jules, Jr., Clinical Instructor, Medicine. Medical College of Georgia, M.D.

Volkmann, Keith R., Assistant Professor, Oral Biology. Rochester University, B.A., Ph.D.

Volpitto, Perry P., Professor Emeritus, Anesthesiology. Washington and Jefferson, B.S.; Western Reserve University, M.D.

Voth, Eugene D., Associate Professor, Orthodontics. Loma Linda University, M.S., D.D.S.; Indiana University, M.S.D.

Waldrop, Faye M., Research Associate, Pathology. H.T. (A.S.C.P.)

Waller, James T., Assistant Clinical Professor, Medicine. University of Tennessee, M.D.

Walters, Gordon E., Associate Clinical Professor, Medicine. University of Georgia, B.S.; Medical College of Georgia, M.D.

Walton, R. E., Assistant Professor, Endodontics. University of Washington, B.A.; Oregon, D.M.D.; University of Illinois, M.S.

Ward, Daniel F., Assistant Professor, Psychiatry. Medical College of Georgia, M.D.

Ware, Mary Margaret, Instructor, Distributive Nursing. Nell Hodgson Woodruff School of Nursing, Emory University, M.N.

Warren, Flynn, Clinical Instructor, Pharmacology (Pharmacy). University of South Carolina, B.S.; University of Georgia, M.S.

Wasserwald, Gerald I., Assistant Professor, Obstetrics-Gynecology. Tulane University, B.S., M.D.

Waters, Aubrey J., Associate Clinical Professor, Anesthesiology. University of Georgia, B.S., M.S.; University of Wisconsin, Ph.D.; Medical College of Georgia, M.D.

Watson, W. Gamewell, Clinical Professor, Obstetrics-Gynecology. The Citadel, B.S.; Medical College of Georgia, M.D.

Waxler, Edward B., Clinical Instructor, Medicine. Trinity College, B.S.; New York University Medical School, M.D.

* **Weatherred, Jackie G.,** Associate Professor, Oral Biology and Physiology. Coordinator, Physiology (Dentistry). University of Texas, Dental Branch, D.D.S., Ph.D.

Webster, Paul D., III, Professor, Medicine. Chief, Gastroenterology. University of Richmond, B.S.; Bowman Gray School of Medicine, M.D.

Wege, William R., Associate Professor, Oral Medicine and Radiology. Director, Continuing Education (Dentistry). Marquette University, School of Dentistry, D.D.S.; University of Alabama, M.S.

Wehmeyer, T., Assistant Clinical Professor, Periodontics. Marquette, D.D.S.

Wehr, Richard F., Research Associate, Dermatology. University of Miami, B.S.

Weisman, Manuel I., Assistant Clinical Professor, Endodontics. Northwestern University, Dental School, D.D.S.

*__Wellband, Wilbur A.,__ Assistant Professor, Anatomy. Assistant Professor, Neurology. George Williams College, B.S., M.S.; Loyola University, Ph.D.

*__Welter, Dave A.,__ Assistant Professor, Anatomy. University of Georgia, B.S.; Medical College of Georgia, M.S., Ph.D.

Welter, Donald J., Assistant Professor, Medical Director-Georgia War Veterans Home. Marquette School of Medicine, M.D.

West, Judith, Instructor, Mental Health-Psychiatric Nursing. Medical College of Georgia, M.S.N.

Wheeler, Ernest J., Assistant Professor, Anatomy. Easton New Mexico University, B.S.; Baylor College of Medicine, M.D., Ph.D.

Wheeler, Mogan L., Research Instructor, Surgery. Augusta College, B.A., M.B.A.

Whelchel, Merritt C., Assistant Clinical Professor, Surgery (Ophthalmology). University of Georgia, B.S.; Bowman Gray School of Medicine, M.D.

White, Albert P., Jr., Assistant Professor, Pedodontics. Emory University, B.A.; Emory University, School of Dentistry.

*__White, Dorothy T.,__ Professor and Dean, School of Nursing. Teachers College, Columbia University, B.S., M.A., Ed.D.

White, Edward R., Jr., Assistant Professor, Pathology. University of Wisconsin, B.S., M.D.

Whitford, G.M., Assistant Professor, Oral Biology, Physiology. Rochester, Ph.D.

*__Wiedmeier, Vernon T.,__ Assistant Professor, Medicine, Physiology. North Dakota State Teachers College, B.S.; North Dakota State University, M.S.; Marquette University, Ph.D.

Wiggins, Stewart L., Sr., Associate Professor, Psychiatry. University of Georgia, B.S., Ph.D.

Wilds, Preston L., Professor, Obstetrics-Gynecology. Yale University, B.A.; University of Pennsylvania, M.D.

Wilkes, William A., Associate Clinical Professor, Pediatrics. Medical College of Georgia, M.D.

Willard, Robert, Instructor, Pedodontics. University of Illinois, D.D.S.

Williams, David C., Jr., Assistant Professor, Surgery (Urology). University of Georgia, B.A.; Medical College of Georgia, M.D.

Williams, George P., Instructor, Obstetrics-Gynecology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Williams, Gladys L., Assistant Professor, Psychiatry. Judson College, B.A.; Louisiana State University, M.S., M.S.W.; Tulane University, M.P.H.

Williams, Henry A., Assistant Professor, Restorative Dentistry. LaSierra College, B.A.; Loma Linda University, School of Dentistry, D.D.S.

Williams, Jack B., Clinical Instructor, Anesthesiology. University of South Carolina, B.S.; State University of Iowa, M.S.; Medical College of South Carolina, M.D.

Williams, James E., Professor and Chairman, Community Dentistry. University of Tennessee, B.S.; University of Tennessee, College of Dentistry, D.D.S.; University of North Carolina, M.P.H., Dr. P.H.

Williams, John L., Assistant Clinical Professor, Surgery (Neurosurgery). University of Georgia, B.S.; Medical College of Georgia, M.D.

Williams, Maryon J. Jr., Instructor, Department of Medicine. Georgia Institute of Technology, B.E.E.; Rutgers University, M.S., Ph.D.

Wimberly, Mary A., Clinical Instructor, Medical Technology. Medical College of Georgia, B.S.

Wilson, Jerry B., Research Instructor, Cell & Molecular Biology.

Winningham, A. Ruth, Assistant Professor, Medical Technology. Auburn University, B.S.; Medical College of Georgia, M.S.

Witham, A. Calhoun, Professor, Medicine. Chief, Cardiology Emory University, A.B.; Johns Hopkins University, M.D.

Witherington, Roy W., Professor, Surgery, and Chief, Urology. University of Georgia, B.S.; Medical College of Georgia, M.D.

Wong, Charles, Clinical Instructor, Medical Technology. The Citadel, B.S.

Woodward, Elizabeth, Associate Professor and Coordinator of Basic Sciences, Distributive Nursing. Florida State University, Ph.D.

Wray, Betty B., Assistant Professor, Pediatrics. Mercer University, B.A.; Medical College of Georgia, M.D.

Wray, Charles H., Associate Professor, Surgery. Mercer University, A.B.; Medical College of Georgia, M.D.

Wright, Claude-Starr, Professor, Medicine. Chief, Hematology. University of South Carolina, B.S.; Medical College of South Carolina, M.D.

Wrightstone, Ruth, Assistant Professor, Medical Technology. Dickinson College, B.S. Medical College of Georgia, M.S.

Wycoff, Harland D., Professor, Cell and Molecular Biology. University of Wisconsin, B.S., M.S., Ph.D.

Wynn, Plummer H., Jr., Assistant Professor, Oral Medicine. University of Tennessee, College of Dentistry, D.D.S.

Yaghmai, Farivar, Assistant Professor, Pathology. Tehran University, M.D.

Yau, Suh-Jen, Research Associate, Cell and Molecular Biology. National Taiwan University, B.S.; University of Massachusetts, M.S.; University of Kentucky, Ph.D.

Yaun, Richard, Instructor, Restorative DAU-TEAM. Georgia Southern College, B.B.A.

Yeh, Thomas J., Associate Clinical Professor, Thoracic/Cardiac Surgery. National Taiwan University Medical School, M.D.

Yost, Henry F., Assistant Clinical Professor, Psychiatry. Realgymnasium Hamburg, B.S.; University of Berlin, M.D.

Zachert, Virginia, Research Professor, Obstetrics-Gynecology. Chief, Section of Learning Materials. Valdosta State College, B.A.; Emory University, M.A.; Purdue University, Ph.D.

Zwemer, Thomas J., Associate Dean, Academic Affairs (Dentistry). Professor, Orthodontics. University of Illinois, D.D.S.; Northwestern University, M.S.D.

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